Sources of Hazardous Substances in the PASSAIC RIVER STUDY AREA

POTENTIALLY RESPONSIBLE PARTY:

Benjamin Moore & Company

PREPARED BY:
MAXUS ENERGY CORPORATION
ON BEHALF OF THE
OCCIDENTAL CHEMICAL CORPORATION

INDEX OF DOCUMENTS IN SUPPORT OF
COMMENTS CONCERNING BENJAMIN MOORE & COMPANY

TAB A: **Table Summarizing Liability of Benjamin Moore**

This table illustrates that hazardous substances used on site by Benjamin Moore were found at significant concentrations in sediment samples adjacent to the facility.

TAB B: **Documents Demonstrating Hazardous Substances Used On-Site**

PVSC Waste Effluent Survey, Hazardous Waste Report and Community Right to Know Survey indicate that hazardous substances, including arsenic, zinc, xylene, chloroform, methanol, and methyl ethyl ketone were used at the property.

TAB C: **Excerpt from United States Department of Interior, Report on the Quality of the Interstate Waters of the Lower Passaic River and Upper and Lower Bays of New York Harbor**

This report locates two pipes having a 60" and 10" diameter, respectively, along waterfront of Benjamin Moore property discharging to the Passaic River.

TAB D: **1969 Administrative Order to Benjamin Moore from New Jersey State Department of Health**

Order states that Benjamin Moore discharged industrial waste and other polluting matter into the Passaic River.

TAB E: **Correspondence between Benjamin Moore and the New Jersey Department of Environmental Protection Regarding Administrative Order**

Documents indicate that as of 1973, Benjamin Moore was still not in compliance with 1969 Administrative Order.

TAB F: **1980 Letter from Benjamin Moore to PVSC**

This letter states that latex wash water from the production of latex paints ran into two lagoons on the property. Later the latex wash water was discharged to the sanitary sewer.

TAB G: **1984 New Jersey Department of Environmental Protection Investigative Report**

Report states that Benjamin Moore's on-site earthen retention basin used to collect storm-water runoff was connected to the City of Newark storm sewer.

TAB H: **Excerpt form Clinton Bogert Associates Pollution Abatement Program Report**

Report notes that surface and roof drainage from the Benjamin Moore facility was pumped directly into the Passaic River.

TAB I: **Newark Testing Laboratories Report, Pollution of Lockwood St. Storm Sewer**

Report notes that there were eroded openings in the sanitary sewer line on Lister Avenue which resulted in discharges to the storm sewer.

TAB J: **Letters from PVSC to City of Newark**

Letters refer to pollution incidents from the Lockwood Street storm sewer from 1961 to 1968.

TAB K: **PRP Report for D&J Trucking Site**

Benjamin Moore was identified as a potentially responsible party for this facility. Benjamin Moore has been notified that it is a potentially liable party for this facility.

TAB L: **PRP Report on Avenue P Landfill**

Benjamin Moore was identified as a potentially responsible party for this facility. Benjamin Moore has been notified that it is a potentially liable party for this facility.

A

844680009

BENJAMIN MOORE & COMPANY
SUMMARY

COMPANY	TYPE AND YEARS OF OPERATION	HAZARDOUS SUBSTANCES STORED/USED/PRODUCED AT FACILITY	DOCUMENTED DISCHARGES OF HAZARDOUS SUBSTANCES TO RIVER	OTHER PATHWAYS TO DISCHARGE HAZARDOUS SUBSTANCES	HAZARDOUS SUBSTANCES USED AT FACILITY IDENTIFIED IN PASSAIC RIVER SEDIMENTS ADJACENT TO SITE
Benjamin Moore & Company 134 Lister Avenue Newark, New Jersey 07105	Manufactured interior paints, exterior paints, varnishes and alkyd from 1925 to the present	Arsenic Copper Lead Mercury Zinc Benzene Ethyl benzene Chlorobenzene[1] Toluene Xylene Methy ethyl ketone	U.S. DOI Report noted two pipes along Benjamin Moore discharging to River 1969 Administrative Order issued to Benjamin Moore for discharging "industrial waste" to Passaic River Contaminated storm water runoff discharged from the facility to River Latex wash water discharged to sanitary sewer which infiltrated storm sewer and discharged to Passaic River.	Benjamin Moore is PRP at Avenue P and D&J Trucking state super fund sites. These sites are within Six Mile Study Area and drain contaminated storm water to Passaic River.	Arsenic (50.6 mg/kg) Copper (743 mg/kg) Lead (2,490 mg/kg) Mercury (17.1 mg/kg) Zinc (2,360 mg/kg) Benzene (1,300 ug/kg) Ethyl benzene (2,300 ug/kg) Chlorobenzene (29,000 ug/kg) Toluene (760 ug/kg) Xylene (44,000 ug/kg) Methy ethyl ketone (240 ug/kg)

[1] Commonly used as a solvent in the paint industry

B

844680011

Passaic Valley
Sewerage Commissioners

600 WILSON AVENUE
NEWARK, N.J. 07105
(201) 344-1800
Fax: (201) 344-2951

April 24, 1992

Benjamin Moore
134 Lister Avenue
Newark, N.J. 07105

CERTIFIED RECEIPT
P 715-788-339

Attn: Charles Ilsley

RE: NOTICE OF VIOLATION
PERMIT #: 20403112
VIOLATION DATE: 4/21/92
SECTION VIOLATED: 316.1

Dear Mr. Ilsley:

You are put on notice that as of 4/21/92, your company was in violation of Section 316.1 of the Passaic Valley Sewerge Commissioners Rules and Regulations for failure to submit a Monthly Self Monitoring Report (MR-2) on time. Your company's report was received at PVSC on 4/22/92 which was 1 days late. According to the PVSC Rules and Regulations you are subject to a minimum fine.

You may avoid legal action if you remit the minimum fine of $300 by 5/5/92. Please make check payable to PVSC and forward to the attention of Carmen DellaPia, Operations Coordinator, Passaic Valley Sewerage Commissioners, 600 Wilson Avenue, Newark, New Jersey 07105.

If this matter cannot be resolved in an informal manner the case will be referred to the PVSC attorney for legal action. This may result in higher fines.

Very truly yours,

PASSAIC VALLEY SEWERAGE COMMISSIONERS

Carmine T. Perrapato
Executive Director

CTP/de

cc: Robert Davenport, Deputy Executive Director
Frank P. D'Ascensio, Manager of Industrial & Pollution Control
Carmen Della Pia, Operations Coordinator

844680012

15. Waste Hauler Information: List all firms and/or independent contractors who remove process waste or sludge from this facility.

Contractor	Address	Icc#	Waste type handled
Suttles Trucking Co.	?	ALD096704011	D001, F003, F005
Freehold Cartage	?	NJD054126164	D001, F003, F005

SECTION C

OPERATIONAL CHARACTERISTICS

16. Discharge of Industrial Waste is continuous N/A

or intermittent N/A each operating day.

If the discharge is intermittent, it occurs between the following hours: _____

17. Brief description of Manufacturing or other activity performed: The manufacturing of water and oil base paint products.

List SIC CODE #: 2851

18. Principal Raw Materials used: Titanium Dioxide, Zinc Oxide, Alkyd Resins, Ethylene Gylcol, Ammonium Hydroxide, Pigments(oxide reds, oxide yellows, etc.) Calcium Carbonate,

19. Principal Products or Services: See question #17

TABLE 1 EPA PRIORITY POLLUTANTS

CHECK APPROPRIATE BOX

NAME	A	B	C	D		A	B	C	D
acenaphthene			X		2,4 dimethylphenol			X	
acrolein				X	2,4 dinitrotoluene			X	
acrylonitrile				X	2,6 dinitrotoluene			X	
benzene			X		1,2 diphenylhydrazine			X	
benzidine			X		ethylbenzene			X	
carbon tetrachloride			X		fluoranthene			X	
(tetrachloromethane)					4-chlorophenyl phenyl ether			X	
chlorobenzene			X		4-bromophenyl phenyl ether			X	
1,2,4-trichlorobenzene			X		bis(2-cloroisopropyl) ether			X	
hexachlorobenzene			X		bis(2-chloroethoxy) methane			X	
1,2 dichloroethane			X		methylene chloride			X	
1,1,1, trichlorethane			X		(dichloromethane)				
hexachloroethane			X		methyl chloride				X
1,1, dichloroethane			X		(chloromethane)			X	
1,1,2 trichloroethane			X		methyl bromide				X
1,1,2,2, tetrachloroethane			X		(bromomethane)			X	
chlorethane			X		bromoform(tribromomethane)			X	
bis(chloromethyl) ether				X	dichlorobromomethane			X	
bis(2 chloroethyl) ether			X		trichlorofluoromethane			X	
2-chloroethyl vinyl ether (mixed)			X		dichlorodifuoromethane			X	
2-chloronaphthalene			X		chlorodibromomethane			X	
2,4,6, trichlorophenol			X		hexachlorobutadiene			X	
parachlorometa cresol				X	hexachlorocyclopentadiene			X	
chloroform (trichloromethane)	X				isophorone			X	
2 chlorophenol			X		naphthalene			X	
1,2, dichlorobenzene			X		nitrobenzene			X	
1,3, dichlorobenzene			X		2-nitrophenol			X	
1,4, dichlorobenzene			X		4-nitrophenol			X	
3,3, dichlorobenzidine			X		2,4-dinitrophenol			X	
1,1, dichloroethylene			X		4,6 dinitro-o cresol				X
1,2, trans-dichloroethylene			X		N-nitrosodimethylamine			X	
2,4, dichlorophenol				X	N-nitrosodiphenylamine			X	
1,2, dichloropropane			X		N-nitrosodi-n-proplyamine			X	
1,3 dichloropropylene			X		pentachlorophenol			X	
(1,3 dichloropropene)			X		phenol			X	

A. KNOWN TO BE PRESENT
B. SUSPECTED TO BE PRESENT
C. KNOWN TO BE ABSENT
D. SUSPECTED TO BE ABSENT

TABLE 3 EPA HAZARDOUS SUBSTANCES (CONTINUED)

CHECK APPROPRIATE BOX

NAME	A	B	C	D		A	B	C
ethanolamine			X		uranium			X
ethion			X		vanadium			X
ethylene diamine			X		vinyl acetate			X
ethylene dibromide			X		xylene	X		
formaldehyde			X		xylenol			X
furfural			X		zirconium			X
guthion			X					
isoprene			X					

A. KNOWN TO BE PRESENT
B. SUSPECTED TO BE PRESENT
C. KNOWN TO BE ABSENT
D. SUSPECTED TO BE ABSENT

BEFORE COPYING FORM, ENTER:

SITE NAME: Benjamin Moore & Company

134 Lister Ave., Newark, NJ 07105

EPA ID NO.: N J D | 0 0 2 | 4 5 6 | 2 4 2

FORM **GM**

1991 Hazardous Waste Report

WASTE GENERATION AND MANAGEMENT

INSTRUCTIONS: Read the detailed instructions beginning on page 13 of the 1991 Hazardous Waste Report booklet before completing this form.

Sec. I

A. Waste description (Instruction Page 18): Bulked non-recyclable paint manufacturing process waste composed of flammable paint sludge and a mixture of Mineral Spirits and Xylene with trace amounts of Methylethyl Ketone and Methanol

B. EPA hazardous waste codes (Page 18): D 0 0 1 | F 0 0 3 | F 0 0 5 | D 0 3 5 | N A

C. State hazardous waste codes (Page 18): N A | N A

D. SIC code (Page 18): 2 8 5 1

E. Origin code (Page 18): 1 — System type: M 0 6 1

F. Source code (Page 17): A 6 0

G. Point of measurement (Page 17): 2

H. Form code (Page 17): B 2 0 9

I. RCRA-radioactive mixed (Page 17): 2

J. Reported TRI constituent (Page 18): 3

K. CAS numbers (Page 18): 1. 1 3 3 0 - 2 0 - 7 | 2. 1 0 7 - 2 1 - 1 | 3. | 4. | 5.

Sec. II

A. Quantity generated in 1990 (Instruction Page 18): 1 3 6 5 0 6 . 0

B. Quantity generated in 1991 (Page 18): 1 0 9 7 7 9 . 0

C. UOM (Page 18) Density: 5 | 1 . 0 3 — ☐ 1 lbs/gal ☒ 2 sg

D. Did this site treat, store or dispose of this waste on site, or ship it off site? (Page 19): ☐ 1 ☒ 2

ON-SITE SYSTEM 1

On-site system type (Page 19): M

Quantity treated, disposed or recycled on site in 1991:

ON-SITE SYSTEM 2

On-site system type (Page 19): M

Quantity treated, disp

Sec. III

A. Was any of this waste shipped off site in 1991? (Instruction Page 20) ☒ 1 Yes (CONTINUE TO BOX B) ☐ 2 No (SKIP TO SEC. IV)

Site 1

B. EPA ID No. of facility waste was shipped to (Page 20): S C D | 0 3 6 | 2 7 5 | 6 2 6

C. System type shipped to (Page 20): M 0 6 1

D. Off-site availability code (Page 21): 1

E. Tot

Site 2

B. EPA ID No. of facility waste was shipped to (Page 20): N Y D | 0 4 3 | 8 1 5 | 7 0 3

C. System type shipped to (Page 20): M 0 6 1

D. Off-site availability code (Page 21): 1

E. Total quantity shipped in (Page 21): 1 4 7 6 5 . 0

Sec. IV

A. Did new activities in 1991 result in minimization of this waste? (Instruction Page 22) ☐ 1 Yes (CONTINUE TO BOX B) ☒ 2 No (THIS FORM IS COMPLETE)

B. Activity (Page 22): W | W

C. Other effects (Page 22): ☐ 1 Yes ☐ 2 No

D. Quantity recycled in 1991 due to new activities (Page 23):

E. Activity/production index (Page 23):

F. 1991 Source reduction quantity (Page 24):

Comments: Section II Box C is an average value due to variance in density of samples representative of each load.

844680016

Form DWM-051
1/86

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WASTE MANAGEMENT

INVESTIGATION

CASE #: 92-02-26-1518 DWM FILE #: 07-14-43

TIME ARRIVED: _____

INVESTIGATOR: HAYDER CAMARGO DATE: 3-6-92 TIME DEPARTED: _____

LOCATION: BENJAMIN MOORE, NEWARK PROPERTY OWNER: BENJAMIN MOORE & Co.

ADDRESS: 134 LISTER AVENUE MAILING ADDRESS: 51 CHESTNUT RIDGE ROAD

NEWARK County: ESSEX MONTVALE, N.J. 07645

BLOCK: 2438 LOT: 34, 40 RESPONSIBLE PARTY BENJAMIN MOORE & Co.

LOCATION TELEPHONE #: 201-344-1200 ADDRESS: _____

EPA ID #: _____

LOCAL HEALTH DEPT. REP. _____ TELEPHONE #: _____

ORIGIN OF COMPLAINT: STEVE BETTINGER TELEPHONE #: 201-344-1200

NATURE OF COMPLAINT: DISCHARGE NOTIFICATION

PHOTOGRAPHS TAKEN: NO SAMPLE #: _____

FINDINGS: On FEBRUARY 26, 1992 the DEPARTMENT WAS NOTIFIED BY BENJAMIN MOORE & COMPANY that A Butyl Cellosolve Solvent spill occured at the company's NEWARK PLANT. Approximately 1700 pounds or 212 gallons of RAW Butyl CELLOSOLVE was discharged onto a concrete and asphalt surface. The discharge was caused when a valve on a portable roller was accidentally knocked open. The material was cleaned by Benjamin Moore personnel by using vacuum pumps, brooms and absorbent materials. Four 55-gallon drums of material was recovered and will be properly manifested and incinerated offsite by early April.

A site visit conducted on March 6, 1992 confirmed the spill area was properly cleaned and spill material was placed in four 55-gallon drums awaiting proper disposal.

RECOMMENDATIONS: BENJAMIN MOORE will submit copies of manifest to this office once drums are removed offsite. Recommend case closure by this office once manifest is received.

Supervisor Signature

Investigator Signature

COPIES: White - DWM File Yellow - Local Health Dept. Pink - Investigator

844680017

07-14-43

State of New Jersey
Department of Environmental Protection
Division of Hazardous Waste Management
Manifest Section
CN 028, Trenton, NJ 08625

Please type or print in block letters. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039. Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NJD002456565 — Manifest Document No.: 00003
2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: BENJAMIN MOORE Co., 134 Lister Ave., Newark, NJ 07105
4. Generator's Phone (201) 344-1200

A. State Manifest Document Number: NJA 0831133

B. State Generator's ID

5. Transporter 1 Company Name: Freehold Cartage Inc.
6. US EPA ID Number: NJD054126164

C. State Trans. ID

D. Transporter's Phone 908 462-1001

7. Transporter 2 Company Name
8. US EPA ID Number

E. State Trans. ID

F. Transporter's Phone

9. Designated Facility Name and Site Address: ECOLOTEC INC., 636 N. IRWIN STREET, DAYTON, OHIO 45403
10. US EPA ID Number: OHD987007962

G. State Facility's ID 05-57-0624

H. Facility's Phone

	11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) HM	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a.	X RQ/WASTE FLAMMABLE LIQUID N.O.S. - FLAMMABLE LIQUID UN 1993 (D001) containing Butyl Cellosolve & Butyl Alcohol	019	DM	01045	G	D001
b.	"NON-REGULATED" EC-11717	004	DM	00220	P	X
c.						
d.						

J. Additional Descriptions for Materials Listed Above
a. Butyl Cellosolve ___% Butyl Alcohol ___% EC 11750
b. Butyl Cellosolve ___% Solid 50% Pads 50% EC 11717

K. Handling Codes for Wastes Listed Above
a. SOL
b. SOL

15. Special Handling Instructions and Additional Information
24 Hr. Emergency Contact # 201 344-1200 RON FALLON
ERG # 27

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: RONALD J FALLON — Signature: [signature] — Month Day Year: 06 02 92

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: JOSEPH LOMBARDO — Signature: [signature] — Month Day Year: 06 02 92

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

19. Discrepancy Indication Space

844680018

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: PHILIP M CRUZ — Signature: [signature] — Month Day Year: 06 03 92

EPA Form 8700-22 (Rev. 9/88) Previous editions are obsolete.

SIGNATURE AND INFORMATION *MUST* BE LEGIBLE ON ALL COPIES

9/92

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION AND ENERGY

PA

COMMUNITY RIGHT TO KNOW SURVEY FOR 1992

to satisfy requirements under SARA, Title III, Section 312 and New Jersey Community Right to Know

Please type this form.

0 0 2 6 3 7 0 0 0 0 1 | 2 8 5 1 | 0 7 1 4

BENJAMIN MOORE & CO.
ATTN: WAYNE B. THOME, REG. AFFAIRS
134 LISTER AVE.
NEWARK, NJ 07105

[AP]

Indicate changes to mailing address on the above label.

(A) FACILITY LOCATION

If the facility location is different than the add on the facility identification label on Part 2 or not shown, enter the correct facility address below and correct the facility identification la

(B) Does this facility use, store or produce any compressed gases, or any flammable, combustible, reactive, corrosive or toxic substances?

(See Reportable Substances and Thresholds) [X] Yes [ ] No

(C) Briefly describe the nature of the operations or business conducted by your company at this facility:

Manufacture and distribute water and solvent paint.

(D) Number of employees at facility: 176

(E) Number of facilities in New Jerse: 1

(F) Dun and Bradstreet No.: 00-121-0715

(G) Check the box if you have an approved R&D exemption or if yc have attached a R&D exemption application. [ ]

(H) POLICE DEPT. Phone Number (201) 733-6000
Name Newark Police, East District
Municipality Newark, New Jersey 07105

FIRE DEPT. Phone Number (201) 733-7400
Name Inspector Vincent Ladd
Municipality Newark, New Jersey 07105

(I) FACILITY EMERGENCY CONTACT
Name Kenneth E. Marino
Facility Phone Number (201) 344-1200
Title Plant Operations Manager
Emergency Contact Phone Number (908) 689-2133

[X] NOTE: Mark this box if there are any changes on this page (Part 1) since your last submittal.

(J) CERTIFICATION OF OWNER/OPERATOR OR AUTHORIZED REPRESENTATIVE — I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document, and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

Fax # (201) 344-2716

Signature Charles J. Ilsley Date Mar. 1, 1993 Phone # (201) 344-1200

Name Charles J. Ilsley Title Process Chemist

* You are required to send copies to your COUNTY LEAD AGENCY, LOCAL EMERGENCY PLANNING COMMITTEE AND YOUR LOCAL POLICE AND FIRE DEPARTMENTS. KEEP A COPY AT YOUR FACILITY.
(County agency and local committee addresses in Instructions)

Return original to: NJDEPE
COMMUNITY RIGHT TO KNOW
CN 405
Trenton, NJ 08625-0405

844680019

IDENTIFICATION AND SITE LOCATION

0 0 2 6 3 7 0 0 0 0 1

BENJAMIN MOORE & CO.
134 LISTER AVE., NEWARK,

PART 2
CHEMICAL INVENTORY PAGE

DEQ-094

Page 1 of 12

IMPORTANT! *Read instructions. Photocopy this page if you need additional forms. Please type all responses.*

Reporting Period: January 1 - December 31, 1992

	CHEMICAL DESCRIPTION	HAZARDS (Codes for all that apply.)	Inventory (Ranges) (Enter Code)	STORAGE CODES AND LOCATIONS (Enter Codes, except Location(s); supply narrative.)
80012	Substance #12 Aluminum Vehicle CAS No. 64741 - 41 - 9 DOT No. 1255 Substance No. (if available) 3131 Percent 56 (Code) State 1 (Code) Trade Secret ☐ (Check if claiming)	66 . 70 . ___ . ___	Max. Daily 15 Avg. Daily 51 Days Onsite 1 (Actual Number)	Container 36 Conditions 01 . 04 Location(s) Loaded into tank wagon
80018	Substance Resin Solution CAS No. 8001 - 26 - 6 DOT No. 2868 Substance No. (if available) 2749 Percent 60 (Code) State 1 (Code) Trade Secret ☐ (Check if claiming)	66 . 70 . ___ . ___	Max. Daily 14 Avg. Daily 14 Days Onsite 365 (Actual Number)	Container 47 Conditions 01 . 04 Location(s) Building 1, 3rd Floor
80031	Substance Resin Solution CAS No. 68153 - 85 - 5 DOT No. ___ Substance No. (if available) ___ Percent ___ (Code) State ___ (Code) Trade Secret ☐ (Check if claiming)	66 . 67 . 70 . ___ . ___	Max. Daily 14 Avg. Daily 14 Days Onsite 365 (Actual Number)	Container 47 Conditions 01 . 04 Location(s) Building 1, 3rd Floor
802-15,22 56,60,96	Substance Resin Solution CAS No. 69762 - 17 - 8 DOT No. ___ Substance No. (if available) ___ Percent 56 (Code) State 1 (Code) Trade Secret ☐ (Check if claiming)	66 . 70 . ___ . ___	Max. Daily 14 Avg. Daily 14 Days Onsite 365 (Actual Number)	Container 47 Conditions 01 . 04 Location(s) Building 1, 3rd Floor
80064	Substance Resin Solution CAS No. 8001 - 26 - 6 DOT No. ___ Substance No. (if available) ___ Percent 60 (Code) State 1 (Code) Trade Secret ☐ (Check if claiming)	67 . 70 . ___ . ___	Max. Daily 15 Avg. Daily 14 Days Onsite 365 (Actual Number)	Container 48 Conditions 01 . 04 Location(s) Tank Farm

PERCENTAGE CODES

01	Unknown
60	100%
59	90 - 99%
58	80 - 89%
57	70 - 79%
56	60 - 69%
55	50 - 59%
54	25 - 49%
53	10 - 24%
52	1 - 9%
51	0 - 0.9%

PHYSICAL STATE CODES

S - Solid
L - Liquid
G - Gas

HAZARD CATEGORY CODES

78	Fire hazard
80	Sudden release of pressure
66	Reactive
67	Immediate (acute) health hazard
68	Delayed (chronic) health hazard

INVENTORY RANGE CODES (in lbs.)

20	Greater than 10 million lbs.
19	1,000,001 - 10 million
18	500,001 - 1 million
17	250,001 - 500,000
16	100,001 - 250,000
15	50,001 - 100,000
14	10,001 - 50,000
13	1,001 - 10,000
12	101 - 1,000
11	11 - 100
10	1 - 10
09	Less than 1 lb.

CONTAINER CODES

50	Above ground tank	40	Cylinder
49	Below ground tank (steel)	39	Bottles or jugs (glass)
48	Tank inside building	38	Bottles or jugs (plastic)
47	Steel drum	37	Tote bin
46	Can	36	Tank wagon
45	Carboy	35	Railcar
44	Silo	34	Other (Describe)
43	Fiber drum	33	Below ground tank (fiberglass)
42	Bag	32	Plastic drums
41	Box		

STORAGE CONDITION CODES

Pressure
01 Ambient pressure 02 Greater than ambient pressure
03 Less than ambient pressure

Temperature
04 Ambient temperature
05 Greater than ambient temperature
06 Less than ambient temperatures but not cryogenic (freezing conditions)

844680020

CHEMICAL INVENTORY PAGE

BENJAMIN MOORE & CO.
134 LISTER AVE., NEWARK,

IMPORTANT! *Read instructions. Photocopy this page if you need additional forms. Please type all responses.*

Reporting Period: January 1 - December 31, 1992

CHEMICAL DESCRIPTION	HAZARDS	Inventory (Ranges)	STORAGE CODES AND LOCATIONS
80207 Substance Resin Solution CAS No. 68152 - 95 - 4 DOT No. ____ Substance No. (if available) ____ Percent 59 (Code) State L (Code) Trade Secret ☐ (Check if claiming)	(Codes for all that apply.) 66 , 70 , ____ . ____ , ____	(Enter Code) Max. Daily 15 Avg. Daily 14 Days Onsite 365 (Actual Number)	(Enter Codes, except Location(s); supply narrative.) Container 48 Conditions 01 , 04 Location(s) Tank Room, Bldg. 4-4A
80208 Substance Resin Solution CAS No. 1330 - 20 - 7 DOT No. 1307 Substance No. (if available) ____ Percent ____ (Code) State ____ (Code) Trade Secret ☐ (Check if claiming)	66 , 70 , ____ . ____ , ____	Max. Daily 15 Avg. Daily 14 Days Onsite 365 (Actual Number)	Container 48 Conditions 01 , 04 Location(s) Tank Room, Bldg. 4-4A
80215 80222 Substance Resin Solution CAS No. 66070 - 61 - 8 DOT No. ____ Substance No. (if available) ____ Percent 55 (Code) State L (Code) Trade Secret ☐ (Check if claiming)	66 , 70 , ____ . ____ , ____	Max. Daily 15 Avg. Daily 14 Days Onsite 365 (Actual Number)	Container 48 Conditions 01 , 04 Location(s) Tank Room, Bldg. 4-4A
80031 80036 Substance Resin Solution CAS No. 66070 - 61 - 9 DOT No. ____ Substance No. (if available) ____ Percent 54 (Code) State L (Code) Trade Secret ☐ (Check if claiming)	66 , 70 , ____ . ____ , ____	Max. Daily 15 Avg. Daily 14 Days Onsite 365 (Actual Number)	Container 48 Conditions 01 , 04 Location(s) Tank Room, Bldg. 4-4A
80256 Substance Resin Solution CAS No. 66070 - 64 - 2 DOT No. ____ Substance No. (if available) ____ Percent 56 (Code) State L (Code) Trade Secret ☐ (Check if claiming)	66 , 70 , ____ . ____ , ____	Max. Daily 15 Avg. Daily 14 Days Onsite 365 (Actual Number)	Container 48 Conditions 01 , 04 Location(s) Tank Room, Bldg. 4-4A

PERCENTAGE CODES

61	Unknown
60	100%
59	90 - 99%
58	80 - 89%
57	70 - 79%
56	60 - 69%
55	50 - 59%
54	25 - 49%
53	10 - 24%
52	1 - 9%
51	0 - 0.9%

PHYSICAL STATE CODES

S - Solid
L - Liquid
G - Gas

HAZARD CATEGORY CODES

70	Fire hazard
69	Sudden release of pressure
68	Reactive
67	Immediate (acute) health hazard
66	Delayed (chronic) health hazard

INVENTORY RANGE CODES (in lbs.)

20	Greater than 10 million lbs.
19	1,000,001 - 10 million
18	500,001 - 1 million
17	250,001 - 500,000
16	100,001 - 250,000
15	50,001 - 100,000
14	10,001 - 50,000
13	1,001 - 10,000
12	101 - 1,000
11	11 - 100
10	1 - 10
09	Less than 1 lb.

CONTAINER CODES

50	Above ground tank	40	Cylinder
49	Below ground tank (steel)	39	Bottles or jugs (glass)
48	Tank inside building	38	Bottles or jugs (plastic)
47	Steel drum	37	Tote bin
46	Can	36	Tank wagon
45	Carboy	35	Railcar
44	Silo	34	Other (Describe)
43	Fiber drum	33	Below ground tank (fiberglass)
42	Bag	32	Plastic drums
41	Box		

STORAGE CONDITION CODES

Pressure
01 Ambient* pressure 02 Greater than ambient pressure
03 Less than ambient pressure

Temperature
04 Ambient temperature
05 Greater than ambient temperature
06 Less than ambient temperature but not cryogenic (freezing conditions)
07 Cryogenic conditions (less than -200 degrees C)

*Ambient means "normal", "surrounding" or "room" conditions

FACILITY IDENTIFICATION AND SITE LOCATION

0 0 2 6 3 7 0 0 0 0 1

BENJAMIN MOORE & CO.
134 LISTER AVE., NEWARK,

PART 2
CHEMICAL INVENTORY PAGE

DEQ-094

IMPORTANT! *Read instructions. Photocopy this page if you need additional forms. Please type all responses.*

Reporting Period: January 1 - December 31, 1992

	CHEMICAL DESCRIPTION	HAZARDS	Inventory (Ranges)	STORAGE CODES AND LOCATIONS
		(Codes for all that apply.)	*(Enter Code)*	*(Enter Codes, except Location(s); supply narrative.)*
80260	Substance Resin Solution CAS No. 67762 - 17 - 8 DOT No. ____ Substance No. (if available) ____ Percent 55 *(Code)* State L *(Code)* Trade Secret ☐ *(Check if claiming)*	66 . 70 . ____ . ____ . ____	Max. Daily 15 Avg. Daily 14 Days Onsite 365 *(Actual Number)*	Container 48 Conditions 01 . 04 Location(s) Tank Room, Bldg. 4-4A
80272	Substance Resin Solution CAS No. 68152 - 87 - 4 DOT No. ____ Substance No. (if available) ____ Percent 54 *(Code)* State L *(Code)* Trade Secret ☐ *(Check if claiming)*	66 . 70 . ____ . ____ . ____	Max. Daily 17 Avg. Daily 16 Days Onsite 365 *(Actual Number)*	Container 48 Conditions 01 . 04 Location(s) Tank Room, Bldg. 4-4A
80296	Substance Resin Solution CAS No. 69762 - 17 - 8 DOT No. ____ Substance No. (if available) ____ Percent 56 *(Code)* State L *(Code)* Trade Secret ☐ *(Check if claiming)*	66 . 70 . ____ . ____ . ____	Max. Daily 14 Avg. Daily 14 Days Onsite 365 *(Actual Number)*	Container 47 Conditions 01 . 04 Location(s) Building 1, 3rd Floor
80425	Substance Cobalt Compounds CAS No. ____ - ____ - ____ DOT No. ____ Substance No. (if available) 3135 Percent 53 *(Code)* State L *(Code)* Trade Secret ☐ *(Check if claiming)*	66 . 67 . 70 . ____ . ____	Max. Daily 13 Avg. Daily 13 Days Onsite 365 *(Actual Number)*	Container 47 Conditions 01 . 04 Location(s) Building 1, 3rd Floor
80435	Substance Calcium Drier CAS No. 110 - 80 - 5 DOT No. 1171 Substance No. (if available) 0839 Percent 52 *(Code)* State L *(Code)* Trade Secret ☐ *(Check if claiming)*	66 . 67 . 70 . ____ . ____	Max. Daily 14 Avg. Daily 13 Days Onsite 365 *(Actual Number)*	Container 47 Conditions 01 . 04 Location(s) Building 1, 3rd Floor

PERCENTAGE CODES

81	Unknown
60	100%
59	90 - 99%
58	80 - 89%
57	70 - 79%
56	60 - 69%
55	50 - 59%
54	25 - 49%
53	10 - 24%
52	1 - 9%
51	0 - 0.9%

PHYSICAL STATE CODES

S - Solid
L - Liquid
G - Gas

HAZARD CATEGORY CODES

70	Fire hazard
69	Sudden release of pressure
68	Reactive
67	Immediate (acute) health hazard
66	Delayed (chronic) health hazard

INVENTORY RANGE CODES (in lbs.)

20	Greater than 10 million lbs.
19	1,000,001 - 10 million
18	500,001 - 1 million
17	250,001 - 500,000
16	100,001 - 250,000
15	50,001 - 100,000
14	10,001 - 50,000
13	1,001 - 10,000
12	101 - 1,000
11	11 - 100
10	1 - 10
09	Less than 1 lb.

CONTAINER CODES

50	Above ground tank	40	Cylinder
49	Below ground tank (steel)	39	Bottles or jugs (glass)
48	Tank inside building	38	Bottles or jugs (plastic)
47	Steel drum	37	Tote bin
46	Can	36	Tank wagon
45	Carboy	35	Railcar
44	Silo	34	Other (Describe)
43	Fiber drum	33	Below ground tank (fiberglass)
42	Bag	32	Plastic drums
41	Box		

STORAGE CONDITION CODES

Pressure

01 Ambient* pressure 02 Greater than ambient pressure
03 Less than ambient pressure

Temperature

04 Ambient temperature
05 Greater than ambient temperature
06 Less than ambient temperature but not cryogenic (freezing conditions)
07 Cryogenic conditions (less than -200 degrees C)

*Ambient means "normal", "surrounding" or "room" conditions

FACILITY IDENTIFICATION AND SITE LOCATION

0 0 2 6 3 7 0 0 0 0 1

BENJAMIN MOORE & CO.
134 LISTER AVE., NEWARK,

PART 2
CHEMICAL INVENTORY PAGE

DEQ-054

IMPORTANT! *Read instructions. Photocopy this page if you need additional forms. Please type all responses.*

Reporting Period: January 1 - December 31, 1992

CHEMICAL DESCRIPTION	HAZARDS	Inventory (Ranges)	STORAGE CODES AND LOCATIONS
810-02,03 07, 33 Substance: Red Tinting Material CAS No. 1309 - 37 - 1 DOT No. ____ Substance No. (if available) 1306 Percent 100 (Code) State L (Code) Trade Secret ☐ (Check if claiming)	(Codes for all that apply.) 66 . 67 . 70 . ____ . ____	(Enter Code) Max. Daily 13 Avg. Daily 13 Days Onsite 365 (Actual Number)	(Enter Codes, except Location(s); supply narrative.) Container 46 Conditions 01 . 04 Location(s) Building 1, 2nd Floor
82405 Substance: Benzoic Acid CAS No. 65 - 85 - 0 DOT No. 9094 Substance No. (if available) 0209 Percent 60 (Code) State S (Code) Trade Secret ☐ (Check if claiming)	66 . 67 . ____ . ____ . ____	Max. Daily 13 Avg. Daily 13 Days Onsite 365 (Actual Number)	Container 42 Conditions 01 . 04 Location(s) Vehicle Plant
84005 Substance: Butyl Acrylate CAS No. 141 - 32 - 2 DOT No. 2348 Substance No. (if available) 0278 Percent 60 (Code) State L (Code) Trade Secret ☐ (Check if claiming)	66 . 67 . 68 . 70 . ____	Max. Daily 15 Avg. Daily 14 Days Onsite 365 (Actual Number)	Container 50 Conditions 01 . 04 Location(s) Vehicle Tank Farm
84025 Substance: Glacial Methacrylate CAS No. 79 - 41 - 4 DOT No. 2531 Substance No. (if available) 1199 Percent 60 (Code) State L (Code) Trade Secret ☐ (Check if claiming)	67 . 68 . 70 . ____ . ____	Max. Daily 13 Avg. Daily 13 Days Onsite 365 (Actual Number)	Container 32 Conditions 01 . 04 Location(s) Vehicle Plant
84055 Substance: Butyl Acrylate CAS No. 141 - 32 - 2 DOT No. 2348 Substance No. (if available) 0278 Percent 60 (Code) State L (Code) Trade Secret ☐ (Check if claiming)	66 . 67 . 68 . 70 . ____	Max. Daily 15 Avg. Daily 14 Days Onsite 365 (Actual Number)	Container 50 Conditions 01 . 04 Location(s) Vehicle Tank Farm

PERCENTAGE CODES

61	Unknown
60	100%
59	90 - 99%
58	80 - 89%
57	70 - 79%
56	60 - 69%
55	50 - 59%
54	25 - 49%
53	10 - 24%
52	1 - 9%
51	0 - 0.9%

PHYSICAL STATE CODES

S - Solid
L - Liquid
G - Gas

HAZARD CATEGORY CODES

70	Fire hazard
69	Sudden release of pressure
68	Reactive
67	Immediate (acute) health hazard
66	Delayed (chronic) health hazard

INVENTORY RANGE CODES (in lbs.)

20	Greater than 10 million lbs.
19	1,000,001 - 10 million
18	500,001 - 1 million
17	250,001 - 500,000
16	100,001 - 250,000
15	50,001 - 100,000
14	10,001 - 50,000
13	1,001 - 10,000
12	101 - 1,000
11	11 - 100
10	1 - 10
09	Less than 1 lb.

CONTAINER CODES

50	Above ground tank	40	Cylinder
49	Below ground tank (steel)	39	Bottles or jugs (glass)
48	Tank inside building	38	Bottles or jugs (plastic)
47	Steel drum	37	Tote bin
46	Can	36	Tank wagon
45	Carboy	35	Railcar
44	Silo	34	Other (Describe)
43	Fiber drum	33	Below ground tank (fiberglass)
42	Bag	32	Plastic drums
41	Box		

STORAGE CONDITION CODES

Pressure

01 Ambient* pressure 02 Greater than ambient pressure
03 Less than ambient pressure

Temperature

04 Ambient temperature
05 Greater than ambient temperature
06 Less than ambient temperatures but not cryogenic (freezing conditions)
07 Cryogenic conditions (less than -200 degrees C)

*Ambient means "normal", "surrounding" or "room" conditions

P.06 L. F. STEPHENS, M 201 654 9595 07/19/93 14:27

FACILITY IDENTIFICATION AND SITE LOCATION

0 0 2 6 3 7 0 0 0 0 1

BENJAMIN MOORE & CO.
134 LISTER AVE., NEWARK,

PART 2
CHEMICAL INVENTORY PAGE

DEQ-094

IMPORTANT! *Read instructions. Photocopy this page if you need additional forms. Please type all responses.*

Reporting Period: January 1 - December 31, 1992

	CHEMICAL DESCRIPTION	HAZARDS	Inventory (Ranges)	STORAGE CODES AND LOCATIONS
84385	Substance Vinyl Acetate CAS No. 108 - 05 - 4 DOT No. 1301 Substance No. (if available) 1998 Percent 60 (Code) State L (Code) Trade Secret ☐ (Check if claiming)	(Codes for all that apply.) 66 , 67 , 68 , 70 , ___	(Enter Code) Max. Daily 19 Avg. Daily 18 Days Onsite 365 (Actual Number)	(Enter Codes, except Location(s); supply narrative.) Container 50 Conditions 01 , 04 Location(s) Vehicle Plant Tank Farm
84872 96870	Substance Additive CAS No. 57 - 55 - 6 DOT No. ___ Substance No. (if available) ___ Percent 55 (Code) State L (Code) Trade Secret ☐ (Check if claiming)	66 , 67 , ___ , ___ , ___	Max. Daily 13 Avg. Daily 12 Days Onsite 365 (Actual Number)	Container 47 Conditions 01 , 04 Location(s) Building 1, 3rd Floor
85218	Substance Ethylene Glycol CAS No. 107 - 21 - 1 DOT No. 1142 Substance No. (if available) 0872 Percent 60 (Code) State L (Code) Trade Secret ☐ (Check if claiming)	66 , 67 , ___ , ___ , ___	Max. Daily 14 Avg. Daily 14 Days Onsite 365 (Actual Number)	Container 50 Conditions 01 , 04 Location(s) Building 1, 2nd, 3rd Floors
85261	Substance Propylene Glycol CAS No. 57 - 55 - 6 DOT No. ___ Substance No. (if available) ___ Percent 60 (Code) State L (Code) Trade Secret ☐ (Check if claiming)	66 , 67 , ___ , ___ , ___	Max. Daily 14 Avg. Daily 14 Days Onsite 365 (Actual Number)	Container 50 Conditions 01 , 04 Location(s) Tank Farm
86891	Substance Resin Solution CAS No. 64742 - 88 - 7 DOT No. ___ Substance No. (if available) ___ Percent 53 (Code) State L (Code) Trade Secret ☐ (Check if claiming)	70 , 66 , ___ , ___ , ___	Max. Daily 16 Avg. Daily 15 Days Onsite 365 (Actual Number)	Container 48 Conditions 01 , 04 Location(s) Tank Room, Bldg. 4-4A

PERCENTAGE CODES

61	Unknown
60	100%
59	90 - 99%
58	80 - 89%
57	70 - 79%
56	60 - 69%
55	50 - 59%
54	25 - 49%
53	10 - 24%
52	1 - 9%
51	0 - 0.9%

PHYSICAL STATE CODES

S - Solid
L - Liquid
G - Gas

HAZARD CATEGORY CODES

70	Fire hazard
69	Sudden release of pressure
68	Reactive
67	Immediate (acute) health hazard
66	Delayed (chronic) health hazard

INVENTORY RANGE CODES (in lbs.)

20	Greater than 10 million lbs.
19	1,000,001 - 10 million
18	500,001 - 1 million
17	250,001 - 500,000
16	100,001 - 250,000
15	50,001 - 100,000
14	10,001 - 50,000
13	1,001 - 10,000
12	101 - 1,000
11	11 - 100
10	1 - 10
09	Less than 1 lb.

CONTAINER CODES

50	Above ground tank	40	Cylinder
49	Below ground tank (steel)	39	Bottles or jugs (glass)
48	Tank inside building	38	Bottles or jugs (plastic)
47	Steel drum	37	Tote bin
46	Can	36	Tank wagon
45	Carboy	35	Railcar
44	Silo	34	Other (Describe)
43	Fiber drum	33	Below ground tank (fiberglass)
42	Bag		
41	Box	32	Plastic drums

STORAGE CONDITION CODES

Pressure

01 Ambient* pressure 02 Greater than ambient pressure
03 Less than ambient pressure

Temperature

04 Ambient temperature
05 Greater than ambient temperature
06 Less than ambient temperatures but not cryogenic (freezing conditions)
07 Cryogenic conditions (less than -200 degrees C)

*Ambient means "normal", "surrounding" or "room" conditions

84680024

FACILITY IDENTIFICATION AND SITE LOCATION

0 0 2 6 3 7 0 0 0 0 1

BENJAMIN MOORE & CO.
134 LISTER AVE., NEWARK,

PART 2
CHEMICAL INVENTORY PAGE

DEQ-094

IMPORTANT! *Read instructions. Photocopy this page if you need additional forms. Please type all responses.*

Reporting Period: January 1 - December 31, 1992

CHEMICAL DESCRIPTION	HAZARDS (Codes for all that apply.)	Inventory (Ranges)	STORAGE CODES AND LOCATIONS (Enter Codes, except Location(s); supply narrative.)
90842 Substance Carbon Black CAS No. 1333 - 86 - 4 DOT No. 1361 Substance No. (if available) 0342 Percent 60 (Code) State S (Code) Trade Secret ☐ (Check if claiming)	___ . ___ . ___ . ___ . ___	(Enter Code) Max. Daily 13 Avg. Daily 13 Days Onsite 365 (Actual Number)	Container 42 Conditions 01 . 04 Location(s) Building 1, 3rd Floor
90845 Substance Carbon Black CAS No. 1333 - 86 - 4 DOT No. 1361 Substance No. (if available) 0342 Percent 60 (Code) State S (Code) Trade Secret ☐ (Check if claiming)	___ . ___ . ___ . ___ . ___	Max. Daily 13 Avg. Daily 12 Days Onsite 365 (Actual Number)	Container 32 Conditions 01 . 04 Location(s) Building 1, 2nd Floor
916-04,59, 60,86 Substance Inert Pigment CAS No. 14807 - 96 - 6 DOT No. ___ Substance No. (if available) 1773 Percent 60 (Code) State S (Code) Trade Secret ☐ (Check if claiming)	66 . ___ . ___ . ___ . ___	Max. Daily 15 Avg. Daily 15 Days Onsite 365 (Actual Number)	Container 42 Conditions 01 . 04 Location(s) Building 1, 3rd Floor
91641 Substance Inert Pigment CAS No. 68476 - 25 - 5 DOT No. ___ Substance No. (if available) ___ Percent 59 (Code) State S (Code) Trade Secret ☐ (Check if claiming)	66 . 67 . ___ . ___ . ___	Max. Daily 15 Avg. Daily 14 Days Onsite 365 (Actual Number)	Container 42 Conditions 01 . 04 Location(s) Building 1, 3rd Floor
91673 924-64,66 Substance Inert Pigment CAS No. 7631 - 86 - 9 DOT No. ___ Substance No. (if available) 1655 Percent 60 (Code) State S (Code) Trade Secret ☐ (Check if claiming)	___ . ___ . ___ . ___ . ___	Max. Daily 13 Avg. Daily 12 Days Onsite 365 (Actual Number)	Container 42 Conditions 01 . 04 Location(s) Building 1, 3rd Floor

PERCENTAGE CODES

61	Unknown
60	100%
59	90 - 99%
58	80 - 89%
57	70 - 79%
56	60 - 69%
55	50 - 59%
54	25 - 49%
53	10 - 24%
52	1 - 9%
51	0 - 0.9%

PHYSICAL STATE CODES

S - Solid
L - Liquid
G - Gas

HAZARD CATEGORY CODES

70	Fire hazard
69	Sudden release of pressure
68	Reactive
67	Immediate (acute) health hazard
66	Delayed (chronic) health hazard

INVENTORY RANGE CODES (in lbs.)

20	Greater than 10 million lbs.
19	1,000,001 - 10 million
18	500,001 - 1 million
17	250,001 - 500,000
16	100,001 - 250,000
15	50,001 - 100,000
14	10,001 - 50,000
13	1,001 - 10,000
12	101 - 1,000
11	11 - 100
10	1 - 10
09	Less than 1 lb.

CONTAINER CODES

50	Above ground tank	40	Cylinder
49	Below ground tank (steel)	39	Bottles or jugs (glass)
48	Tank inside building	38	Bottles or jugs (plastic)
47	Steel drum	37	Tote bin
46	Can	36	Tank wagon
45	Carboy	35	Railcar
44	Silo	34	Other (Describe)
43	Fiber drum	33	Below ground tank (fiberglass)
42	Bag	32	Plastic drums
41	Box		

STORAGE CONDITION CODES

Pressure

01 Ambient* pressure 02 Greater than ambient pressure
03 Less than ambient pressure

Temperature

04 Ambient temperature
05 Greater than ambient temperature
06 Less than ambient temperatures but not cryogenic (freezing conditions)
07 Cryogenic conditions (less than -260 degrees C)

*Ambient means "normal", "surrounding" or "room" conditions

FACILITY IDENTIFICATION AND SITE LOCATION

0 0 2 6 3 7 0 0 0 0 1

BENJAMIN MOORE & CO.
134 LISTER AVE., NEWARK,

PART 2
CHEMICAL INVENTORY PAGE

DEQ-094

Page 7 of 17

IMPORTANT! *Read instructions. Photocopy this page if you need additional forms. Please type all responses.*

Reporting Period: January 1 - December 31, 1992

	CHEMICAL DESCRIPTION	HAZARDS	Inventory (Ranges)	STORAGE CODES AND LOCATIONS
91674	Substance Inert Pigment CAS No. 68611 - 44 - 9 DOT No. ____ Substance No. (if available) ____ Percent 60 (Code) State S (Code) Trade Secret ☐ (Check if claiming)	(Codes for all that apply.) ____ . ____ . ____ . ____ . ____	(Enter Code) Max. Daily 13 Avg. Daily 13 Days Onsite 365 (Actual Number)	(Enter Codes, except Location(s); supply narrative.) Container 42 Conditions 01 . 04 Location(s) Building 1, 3rd Floor
91677	Substance Inert Pigment CAS No. 14808 - 60 - 7 DOT No. ____ Substance No. (if available) 1660 Percent 60 (Code) State S (Code) Trade Secret ☐ (Check if claiming)	____ . ____ . ____ . ____ . ____	Max. Daily 15 Avg. Daily 14 Days Onsite 365 (Actual Number)	Container 42 Conditions 01 . 04 Location(s) Building 1, 3rd Floor
92086	Substance Green Pigment CAS No. ____ - ____ - ____ DOT No. ____ Substance No. (if available) ____ Percent 52 (Code) State S (Code) Trade Secret ☐ (Check if claiming)	67 . ____ . ____ . ____ . ____	Max. Daily 13 Avg. Daily 13 Days Onsite 365 (Actual Number)	Container 42 Conditions 01 . 04 Location(s) Building 1, 3rd Floor
93209	Substance Portland Cement CAS No. 65997 - 15 - 1 DOT No. ____ Substance No. (if available) 1661 Percent 60 (Code) State S (Code) Trade Secret ☐ (Check if claiming)	____ . ____ . ____ . ____ . ____	Max. Daily 13 Avg. Daily 12 Days Onsite 365 (Actual Number)	Container 42 Conditions 01 . 04 Location(s) Building 1, 3rd Floor
948 Series	Substance Iron Oxide CAS No. 1309 - 37 - 1 DOT No. ____ Substance No. (if available) 1036 Percent ____ (Code) State ____ (Code) Trade Secret ☐ (Check if claiming)	____ . ____ . ____ . ____ . ____	Max. Daily 15 Avg. Daily 14 Days Onsite 365 (Actual Number)	Container 42 Conditions 01 . 04 Location(s) Building 1, 3rd Floor

PERCENTAGE CODES

01	Unknown
00	100%
99	90 - 99%
98	80 - 89%
97	70 - 79%
96	60 - 69%
95	50 - 59%
94	25 - 49%
93	10 - 24%
92	1 - 9%
91	0 - 0.9%

PHYSICAL STATE CODES

S - Solid
L - Liquid
G - Gas

HAZARD CATEGORY CODES

70	Fire hazard
69	Sudden release of pressure
68	Reactive
67	Immediate (acute) health hazard
66	Delayed (chronic) health hazard

INVENTORY RANGE CODES (in lbs.)

20	Greater than 10 million lbs.
19	1,000,001 - 10 million
18	500,001 - 1 million
17	250,001 - 500,000
16	100,001 - 250,000
15	50,001 - 100,000
14	10,001 - 50,000
13	1,001 - 10,000
12	101 - 1,000
11	11 - 100
10	1 - 10
09	Less than 1 lb.

CONTAINER CODES

50	Above ground tank	40	Cylinder
49	Below ground tank (steel)	39	Bottles or jugs (glass)
48	Tank inside building	36	Bottles or jugs (plastic)
47	Steel drum	37	Tote bin
46	Can	36	Tank wagon
45	Carboy	35	Railcar
44	Silo	34	Other (Describe)
43	Fiber drum	33	Below ground tank (fiberglass)
42	Bag		
41	Box	32	Plastic drums

STORAGE CONDITION CODES

Pressure

01 Ambient* pressure 02 Greater than ambient pressure
03 Less than ambient pressure

Temperature

04 Ambient temperature
05 Greater than ambient temperature
06 Less than ambient temperature but not cryogenic (freezing conditions)
07 Cryogenic conditions (less than -200 degrees C)

*Ambient means "normal", "surrounding" or "room" conditions

FACILITY IDENTIFICATION AND SITE LOCATION

0 0 2 6 3 7 0 0 0 0 1

BENJAMIN MOORE & CO.
134 LISTER AVE., NEWARK,

PART 2
CHEMICAL INVENTORY PAGE

DEQ-094

IMPORTANT! *Read instructions. Photocopy this page if you need additional forms. Please type all responses.*

Reporting Period: January 1 - December 31, 1992

CHEMICAL DESCRIPTION	HAZARDS	Inventory (Ranges)	STORAGE CODES AND LOCATIONS
Substance Titanium Dioxide CAS No. 13463 - 67 - 7 DOT No. ____ Substance No. (if available) 1861 Percent ____ (Code) State ____ (Code) Trade Secret ☐ (Check if claiming)	(Codes for all that apply.) ____ . ____ . ____ . ____ . ____	(Enter Code) Max. Daily 17 Avg. Daily 16 Days Onsite 365 (Actual Number)	(Enter Codes, except Location(s); supply narrative.) Container 50 Conditions 01 , 04 Location(s) Bulk Silos
Substance Titanium Dioxide CAS No. 13463 - 67 - 7 DOT No. ____ Substance No. (if available) 1861 Percent ____ (Code) State ____ (Code) Trade Secret ☐ (Check if claiming)	____ . ____ . ____ . ____ . ____	Max. Daily 18 Avg. Daily 17 Days Onsite 365 (Actual Number)	Container 42 Conditions 01 , 04 Location(s) Building 1, 3rd Floor
Substance Zinc Compounds CAS No. ____ - ____ - ____ DOT No. ____ Substance No. (if available) ____ Percent 59 (Code) State S (Code) Trade Secret ☐ (Check if claiming)	66 , 67 , ____ . ____ . ____	Max. Daily 15 Avg. Daily 14 Days Onsite 365 (Actual Number)	Container 42 Conditions 01 , 04 Location(s) Building 1, 3rd Floor
Substance Yellow Pigment CAS No. 51274 - 00 - 1 DOT No. ____ Substance No. (if available) ____ Percent 54 (Code) State L (Code) Trade Secret ☐ (Check if claiming)	66 , 70 , ____ . ____ . ____	Max. Daily 12 Avg. Daily 12 Days Onsite 365 (Actual Number)	Container 47 Conditions 01 , 04 Location(s) Building 1, 3rd Floor
Substance Resin Solution CAS No. 54579 - 44 - 1 DOT No. ____ Substance No. (if available) ____ Percent 59 (Code) State L (Code) Trade Secret ☐ (Check if claiming)	66 , ____ , ____ . ____ . ____	Max. Daily 13 Avg. Daily 13 Days Onsite 365 (Actual Number)	Container 50 Conditions 01 , 04 Location(s) Vehicle Tank Farm Plant Tank Farm

952-Bulk
952-21, 41
952-90 94,96
956 Series
96005

PERCENTAGE CODES

01	Unknown
60	100%
59	90 - 99%
58	80 - 89%
57	70 - 79%
56	60 - 69%
55	50 - 59%
54	25 - 49%
53	10 - 24%
52	1 - 9%
51	0 - 0.9%

PHYSICAL STATE CODES

S - Solid
L - Liquid
G - Gas

HAZARD CATEGORY CODES

70	Fire hazard
69	Sudden release of pressure
68	Reactive
67	Immediate (acute) health hazard
66	Delayed (chronic) health hazard

INVENTORY RANGE CODES (in lbs.)

20	Greater than 10 million lbs.
19	1,000,001 - 10 million
18	500,001 - 1 million
17	250,001 - 500,000
16	100,001 - 250,000
15	50,001 - 100,000
14	10,001 - 50,000
13	1,001 - 10,000
12	101 - 1,000
11	11 - 100
10	1 - 10
09	Less than 1 lb.

CONTAINER CODES

50	Above ground tank	40	Cylinder
49	Below ground tank (steel)	39	Bottles or jugs (glass)
48	Tank inside building	38	Bottles or jugs (plastic)
47	Steel drum	37	Tote bin
46	Can	36	Tank wagon
45	Carboy	35	Railcar
44	Silo	34	Other (Describe)
43	Fiber drum	33	Below ground tank (fiberglass)
42	Bag		
41	Box	32	Plastic drums

STORAGE CONDITION CODES

Pressure

01 Ambient* pressure 02 Greater than ambient pressure
03 Less than ambient pressure

Temperature

04 Ambient temperature
05 Greater than ambient temperature
06 Less than ambient temperatures but not cryogenic (freezing conditions)
07 Cryogenic conditions (less than -200 degrees C)

*Ambient means "normal", "surrounding" or "room" conditions

FACILITY IDENTIFICATION AND SITE LOCATION

0 0 2 6 3 7 0 0 0 0 1

BENJAMIN MOORE & CO.
134 LISTER AVE., NEWARK,

PART 2
CHEMICAL INVENTORY PAGE

DEQ-094

IMPORTANT! *Read instructions. Photocopy this page if you need additional forms. Please type all responses.*

Reporting Period: January 1 - December 31, 1992

	CHEMICAL DESCRIPTION	HAZARDS	Inventory (Ranges)	STORAGE CODES AND LOCATIONS
		(Codes for all that apply.)	*(Enter Code)*	*(Enter Codes, except Location(s); supply narrative.)*
96053	Substance Additive CAS No. 121 - 44 - 8 DOT No. ____ Substance No. (if available) ____ Percent 52 *(Code)* State S *(Code)* Trade Secret ☐ *(Check if claiming)*	67 . ____ . ____ . ____ . ____	Max. Daily 13 Avg. Daily 12 Days Onsite 365 *(Actual Number)*	Container 47 Conditions 01 , 04 Location(s) Building 1, 3rd Floor
96076	Substance Resin Solution CAS No. 8052 - 41 - 3 DOT No. ____ Substance No. (if available) ____ Percent 54 *(Code)* State L *(Code)* Trade Secret ☐ *(Check if claiming)*	66 . 70 . ____ . ____ . ____	Max. Daily 16 Avg. Daily 15 Days Onsite 365 *(Actual Number)*	Container 47 Conditions 01 , 04 Location(s) Yard Drum Area
96446	Substance Manganese Drier CAS No. 8052 - 41 - 3 DOT No. 1993 Substance No. (if available) 1736 Percent 54 *(Code)* State L *(Code)* Trade Secret ☐ *(Check if claiming)*	66 . 67 . 70 . ____ . ____	Max. Daily 12 Avg. Daily 12 Days Onsite 365 *(Actual Number)*	Container 47 Conditions 01 , 04 Location(s) Yard Drum Area
96456	Substance Additives CAS No. 8052 - 41 - 3 DOT No. 1993 Substance No. (if available) 1736 Percent 54 *(Code)* State L *(Code)* Trade Secret ☐ *(Check if claiming)*	66 . 70 . ____ . ____ . ____	Max. Daily 13 Avg. Daily 12 Days Onsite 365 *(Actual Number)*	Container 47 Conditions 01 , 04 Location(s) Building 1, 3rd Floor
96854	Substance Additives CAS No. 8002 - 05 - 09 DOT No. 1268 Substance No. (if available) 2648 Percent 56 *(Code)* State L *(Code)* Trade Secret ☐ *(Check if claiming)*	67 . 68 . 70 . ____ . ____	Max. Daily 13 Avg. Daily 13 Days Onsite 365 *(Actual Number)*	Container 47 Conditions 01 , 04 Location(s) Building 1, 3rd Floor

PERCENTAGE CODES

61	Unknown
60	100%
59	90 - 99%
58	80 - 89%
57	70 - 79%
56	60 - 69%
55	50 - 59%
54	25 - 49%
53	10 - 24%
52	1 - 9%
51	0 - 0.9%

PHYSICAL STATE CODES

S - Solid
L - Liquid
G - Gas

HAZARD CATEGORY CODES

70	Fire hazard
69	Sudden release of pressure
68	Reactive
67	Immediate (acute) health hazard
66	Delayed (chronic) health hazard

INVENTORY RANGE CODES (in lbs.)

20	Greater than 10 million lbs.
19	1,000,001 - 10 million
18	500,001 - 1 million
17	250,001 - 500,000
16	100,001 - 250,000
15	50,001 - 100,000
14	10,001 - 50,000
13	1,001 - 10,000
12	101 - 1,000
11	11 - 100
10	1 - 10
09	Less than 1 lb.

CONTAINER CODES

50	Above ground tank	40	Cylinder
49	Below ground tank (steel)	39	Bottles or jugs (glass)
48	Tank inside building	38	Bottles or jugs (plastic)
47	Steel drum	37	Tote bin
46	Can	36	Tank wagon
45	Carboy	35	Railcar
44	Silo	34	Other (Describe)
43	Fiber drum	33	Below ground tank (fiberglass)
42	Bag	32	Plastic drums
41	Box		

STORAGE CONDITION CODES

Pressure

01 Ambient* pressure 02 Greater than ambient pressure
03 Less than ambient pressure

Temperature

04 Ambient temperature
05 Greater than ambient temperature
06 Less than ambient temperatures but not cryogenic (freezing conditions)
07 Cryogenic conditions (less than -200 degrees C)

*Ambient means "normal", "surrounding" or "room" conditions

FACILITY IDENTIFICATION AND SITE LOCATION

0 0 2 6 3 7 0 0 0 0 1

BENJAMIN MOORE & CO.
134 LISTER AVE., NEWARK,

DEQ-094

PART 2
CHEMICAL INVENTORY PAGE

IMPORTANT! *Read instructions. Photocopy this page if you need additional forms. Please type all responses.*

Reporting Period: January 1 - December 31, 1992

	CHEMICAL DESCRIPTION	HAZARDS	Inventory (Ranges)	STORAGE CODES AND LOCATIONS
		(Codes for all that apply.)	(Enter Code)	(Enter Codes, except Location(s); supply narrative.)
96870	Substance: Additives CAS No.: 57 - 73 - 2 DOT No.: 1823 Substance No. (if available): 1706 Percent: 54 (Code) State: L (Code) Trade Secret ☐ (Check if claiming)	66 . 67 . ____ . ____ . ____	Max. Daily: 13 Avg. Daily: 12 Days Onsite: 365 (Actual Number)	Container: 47 Conditions: 01 . 04 Location(s): Building 1, 3rd Floor
97247	Substance: Methanol CAS No.: 67 - 56 - 1 DOT No.: 1230 Substance No. (if available): 1222 Percent: 53 (Code) State: L (Code) Trade Secret ☐ (Check if claiming)	67 . 70 . ____ . ____ . ____	Max. Daily: 12 Avg. Daily: 11 Days Onsite: 365 (Actual Number)	Container: 47 Conditions: 01 . 04 Location(s): Vehicle Drum Area
97248	Substance: Solvent CAS No.: 78 - 93 - 3 DOT No.: 1193 Substance No. (if available): ____ Percent: 60 (Code) State: L (Code) Trade Secret ☐ (Check if claiming)	66 . 67 . 70 . ____ . ____	Max. Daily: 12 Avg. Daily: 12 Days Onsite: 365 (Actual Number)	Container: 47 Conditions: 01 . 04 Location(s): Vehicle Drum Area
97250	Substance: Solvent CAS No.: 64741 - 41 - 9 DOT No.: ____ Substance No. (if available): ____ Percent: 60 (Code) State: L (Code) Trade Secret ☐ (Check if claiming)	66 . 67 . 70 . ____ . ____	Max. Daily: 15 Avg. Daily: 14 Days Onsite: 365 (Actual Number)	Container: 50 Conditions: 01 . 04 Location(s): Vehicle Tank Farm
97258	Substance: Solvent CAS No.: 64742 - 48 - 9 DOT No.: ____ Substance No. (if available): ____ Percent: 60 (Code) State: L (Code) Trade Secret ☐ (Check if claiming)	66 . 70 . ____ . ____ . ____	Max. Daily: 16 Avg. Daily: 15 Days Onsite: 365 (Actual Number)	Container: 50 Conditions: 01 . 04 Location(s): Vehicle Tank Farm

PERCENTAGE CODES

81	Unknown
60	100%
59	90 - 99%
58	80 - 89%
57	70 - 79%
56	60 - 69%
55	50 - 59%
54	25 - 49%
53	10 - 24%
52	1 - 9%
51	0 - 0.9%

PHYSICAL STATE CODES

S - Solid
L - Liquid
G - Gas

HAZARD CATEGORY CODES

70	Fire hazard
69	Sudden release of pressure
68	Reactive
67	Immediate (acute) health hazard
66	Delayed (chronic) health hazard

INVENTORY RANGE CODES (in lbs.)

20	Greater than 10 million lbs.
19	1,000,001 - 10 million
18	500,001 - 1 million
17	250,001 - 500,000
16	100,001 - 250,000
15	50,001 - 100,000
14	10,001 - 50,000
13	1,001 - 10,000
12	101 - 1,000
11	11 - 100
10	1 - 10
09	Less than 1 lb.

CONTAINER CODES

50	Above ground tank	40	Cylinder
49	Below ground tank (steel)	39	Bottles or jugs (glass)
48	Tank inside building	38	Bottles or jugs (plastic)
47	Steel drum	37	Tote bin
46	Can	36	Tank wagon
45	Carboy	35	Railcar
44	Silo	34	Other (Describe)
43	Fiber drum	33	Below ground tank (fiberglass)
42	Bag		
41	Box	32	Plastic drums

STORAGE CONDITION CODES

Pressure

01 Ambient* pressure
02 Greater than ambient pressure
03 Less than ambient pressure

Temperature

04 Ambient temperature
05 Greater than ambient temperature
06 Less than ambient temperatures but not cryogenic (freezing conditions)
07 Cryogenic conditions (less than -200 degrees C)

*Ambient means "normal", "surrounding" or "room" conditions

FACILITY IDENTIFICATION AND SITE LOCATION

0 0 2 6 3 7 0 0 0 0 1

BENJAMIN MOORE & CO.
134 LISTER AVE., NEWARK,

PART 2
CHEMICAL INVENTORY PAGE

DEQ-094

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Reporting Period: January 1 - December 31, 1992

	CHEMICAL DESCRIPTION	HAZARDS	Inventory (Ranges)	STORAGE CODES AND LOCATIONS
		(Codes for all that apply.)	*(Enter Code)*	*(Enter Codes, except Location(s); supply narrative.)*
97272	Substance Solvent CAS No. 64742 - 88 - 7 DOT No. 1993 Substance No. (if available) Percent 60 *(Code)* State L *(Code)* Trade Secret ☐ *(Check if claiming)*	66 , 67 , 70 , — , —	Max. Daily 15 Avg. Daily 14 Days Onsite 365 *(Actual Number)*	Container 50 Conditions 01 , 04 Location(s) Vehicle Tank Farm
97276	Substance Aromatic 100/Solvesso 100 CAS No. 8052 - 41 - 3 DOT No. 1736 Substance No. (if available) Percent 56 *(Code)* State L *(Code)* Trade Secret ☐ *(Check if claiming)*	66 , 67 , 70 , — , —	Max. Daily 13 Avg. Daily 13 Days Onsite 365 *(Actual Number)*	Container 42 Conditions 01 , 04 Location(s) Vehicle Plant
97294	Substance Xylene CAS No. 1330 - 20 - 7 DOT No. 1307 Substance No. (if available) 2014 Percent 60 *(Code)* State L *(Code)* Trade Secret ☐ *(Check if claiming)*	66 , 67 , 70 , — , —	Max. Daily 14 Avg. Daily 14 Days Onsite 365 *(Actual Number)*	Container 50 Conditions 01 , 04 Location(s) Vehicle Tank Farm
97635	Substance Surfactant CAS No. 107 - 41 - 5 DOT No. — Substance No. (if available) 1003 Percent 52 *(Code)* State L *(Code)* Trade Secret ☐ *(Check if claiming)*	66 , 67 , 70 , — , —	Max. Daily 12 Avg. Daily 12 Days Onsite 365 *(Actual Number)*	Container 47 Conditions 01 , 04 Location(s) Building 1, 3rd Floor
97681	Substance Surfactant CAS No. 67 - 63 - 0 DOT No. 1219 Substance No. (if available) 1076 Percent 53 *(Code)* State L *(Code)* Trade Secret ☐ *(Check if claiming)*	66 , 67 , 70 , — , —	Max. Daily — Avg. Daily — Days Onsite — *(Actual Number)*	Container — Conditions — , — Location(s)

PERCENTAGE CODES

61	Unknown
60	100%
59	90 - 99%
58	80 - 89%
57	70 - 79%
56	60 - 69%
55	50 - 59%
54	25 - 49%
53	10 - 24%
52	1 - 9%
51	0 - 0.9%

PHYSICAL STATE CODES

S - Solid
L - Liquid
G - Gas

HAZARD CATEGORY CODES

70	Fire hazard
69	Sudden release of pressure
68	Reactive
67	Immediate (acute) health hazard
66	Delayed (chronic) health hazard

INVENTORY RANGE CODES (in lbs.)

20	Greater than 10 million lbs.
19	1,000,001 - 10 million
18	500,001 - 1 million
17	250,001 - 500,000
16	100,001 - 250,000
15	50,001 - 100,000
14	10,001 - 50,000
13	1,001 - 10,000
12	101 - 1,000
11	11 - 100
10	1 - 10
09	Less than 1 lb.

CONTAINER CODES

50	Above ground tank	40	Cylinder
49	Below ground tank (steel)	39	Bottles or jugs (glass)
48	Tank inside building	38	Bottles or jugs (plastic)
47	Steel drum	37	Tote bin
46	Can	36	Tank wagon
45	Carboy	35	Railcar
44	Silo	34	Other (Describe)
43	Fiber drum	33	Below ground tank (fiberglass)
42	Bag	32	Plastic drums
41	Box		

STORAGE CONDITION CODES

Pressure
01 Ambient* pressure 02 Greater than ambient pressure
03 Less than ambient pressure

Temperature
04 Ambient temperature
05 Greater than ambient temperature
06 Less than ambient temperature but not cryogenic (freezing conditions)
07 Cryogenic conditions (less than -208 degrees C)

*Ambient means "normal", "surrounding" or "room" conditions

84480030

FACILITY IDENTIFICATION AND SITE LOCATION

0 0 2 6 3 7 0 0 0 0 1

BENJAMIN MOORE & CO.
134 LISTER AVE., NEWARK,

PART 2
CHEMICAL INVENTORY PAGE

DEQ-094

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Reporting Period: January 1 - December 31, 1992

CHEMICAL DESCRIPTION	HAZARDS (Codes for all that apply.)	Inventory (Ranges)	STORAGE CODES AND LOCATIONS (Enter Codes, except Location(s); supply narrative.)
Substance Paints Latex CAS No. 107 - 21 - 1 DOT No. 1142 Substance No. (if available) 0878 Percent 52 (Code) State L (Code) Trade Secret ☐ (Check if claiming)	___ . ___ . ___ . ___ . ___	(Enter Code) Max. Daily 19 Avg. Daily 19 Days Onsite 365 (Actual Number)	Container 46 Conditions 01 , 04 Location(s)
Substance Ink CAS No. 67 - 56 - 1 DOT No. 1230 Substance No. (if available) 1222 Percent 54 (Code) State L (Code) Trade Secret ☐ (Check if claiming)	67 . 70 . ___ . ___ . ___	Max. Daily 12 Avg. Daily 12 Days Onsite 365 (Actual Number)	Container 46 Conditions 01 , 04 Location(s) Building 1, 1st Floor
Substance Ink CAS No. 64 - 17 - 5 DOT No. 1170 Substance No. (if available) Percent ___ (Code) State ___ (Code) Trade Secret ☐ (Check if claiming)	67 . 70 . ___ . ___ . ___	Max. Daily 12 Avg. Daily 11 Days Onsite 365 (Actual Number)	Container 46 Conditions 01 , 04 Location(s) Building 1, 1st Floor
Substance Ink CAS No. 67 - 63 - 0 DOT No. 1219 Substance No. (if available) 1076 Percent 52 (Code) State L (Code) Trade Secret ☐ (Check if claiming)	66 . 67 . 70 . ___ . ___	Max. Daily 12 Avg. Daily 11 Days Onsite 365 (Actual Number)	Container 46 Conditions 01 , 04 Location(s) Building 1, 1st Floor
Substance Ink CAS No. 78 - 93 - 3 DOT No. 1193 Substance No. (if available) 1258 Percent 54 (Code) State L (Code) Trade Secret ☐ (Check if claiming)	67 . 70 . ___ . ___ . ___	Max. Daily 14 Avg. Daily 14 Days Onsite 365 (Actual Number)	Container 46 Conditions 01 , 04 Location(s) Building 1, 1st Floor

PERCENTAGE CODES

61	Unknown
60	100%
59	90 - 99%
58	80 - 89%
57	70 - 79%
56	60 - 69%
55	50 - 59%
54	25 - 49%
53	10 - 24%
52	1 - 9%
51	0 - 0.9%

PHYSICAL STATE CODES

S - Solid
L - Liquid
G - Gas

HAZARD CATEGORY CODES

70	Fire hazard
69	Sudden release of pressure
68	Reactive
67	Immediate (acute) health hazard
66	Delayed (chronic) health hazard

INVENTORY RANGE CODES (in lbs.)

20	Greater than 10 million lbs.
19	1,000,001 - 10 million
18	500,001 - 1 million
17	250,001 - 500,000
16	100,001 - 250,000
15	50,001 - 100,000
14	10,001 - 50,000
13	1,001 - 10,000
12	101 - 1,000
11	11 - 100
10	1 - 10
09	Less than 1 lb.

CONTAINER CODES

50	Above ground tank	40	Cylinder
49	Below ground tank (steel)	39	Bottles or jugs (glass)
48	Tank inside building	38	Bottles or jugs (plastic)
47	Steel drum	37	Tote bin
46	Can	36	Tank wagon
45	Carboy	35	Railcar
44	Silo	34	Other (Describe)
43	Fiber drum	33	Below ground tank (fiberglass)
42	Bag	32	Plastic drums
41	Box		

STORAGE CONDITION CODES

Pressure

01 Ambient* pressure 02 Greater than ambient pressure
03 Less than ambient pressure

Temperature

04 Ambient temperature
05 Greater than ambient temperature
06 Less than ambient temperature but not cryogenic (freezing conditions)
07 Cryogenic conditions (less than -200 degrees C)

*Ambient means "normal", "surrounding" or "room" conditions

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CHEMICAL INVENTORY PAGE

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Reporting Period: January 1 - December 31, 1992

CHEMICAL DESCRIPTION	HAZARDS (Codes for all that apply.)	Inventory (Ranges) (Enter Code)	STORAGE CODES AND LOCATIONS (Enter Codes, except Location(s); supply narrative.)
Substance: Solvent Paint CAS No.: ___ DOT No.: 1142 Substance No. (if available): 2423 Percent (Code): 53 State (Code): L Trade Secret (Check if claiming): ☐	66, 67, 70	Max. Daily: 19 Avg. Daily: 18 Days Onsite (Actual Number): 365	Container: 46 Conditions: 01, 04 Location(s): Bldgs. 1, 5, 8, 17
Substance: Solvents CAS No.: ___ DOT No.: 1993 Substance No. (if available): 2426 Percent (Code): ___ State (Code): ___ Trade Secret (Check if claiming): ☐	66, 67, 70	Max. Daily: 17 Avg. Daily: 16 Days Onsite (Actual Number): 365	Container: 50 Conditions: 01, 04 Location(s): Vehicle Tank Farm
Substance: Paints CAS No.: ___ DOT No.: ___ Substance No. (if available): 2885 Percent (Code): 60 State (Code): L Trade Secret (Check if claiming): ☐		Max. Daily: 19 Avg. Daily: 19 Days Onsite (Actual Number): 365	Container: 46 Conditions: 01, 04 Location(s): Vehicle Tank Farm
Substance: Resin Solution CAS No.: ___ DOT No.: ___ Substance No. (if available): ___ Percent (Code): ___ State (Code): ___ Trade Secret (Check if claiming): ☐	66, 67, 70	Max. Daily: 16 Avg. Daily: 16 Days Onsite (Actual Number): 365	Container: 50 Conditions: 01, 04 Location(s): Vehicle Tank Farm, Plant Tank Farm
Substance: Resin Solurion CAS No.: ___ DOT No.: ___ Substance No. (if available): ___ Percent (Code): ___ State (Code): ___ Trade Secret (Check if claiming): ☐	66, 67, 70	Max. Daily: 16 Avg. Daily: 16 Days Onsite (Actual Number): 365	Container: 48 Conditions: 01, 04 Location(s): Tank Farm

Solvents Bulk

Bulk All Resins

Bulk All Resins

PERCENTAGE CODES
- 61 Unknown
- 60 100%
- 59 90 - 99%
- 58 80 - 89%
- 57 70 - 79%
- 56 60 - 69%
- 55 50 - 59%
- 54 25 - 49%
- 53 10 - 24%
- 52 1 - 9%
- 51 0 - 0.9%

PHYSICAL STATE CODES
- S - Solid
- L - Liquid
- G - Gas

HAZARD CATEGORY CODES
- 70 Fire hazard
- 69 Sudden release of pressure
- 68 Reactive
- 67 Immediate (acute) health hazard
- 66 Delayed (chronic) health hazard

INVENTORY RANGE CODES (in lbs)
- 20 Greater than 10 million lbs.
- 19 1,000,001 - 10 million
- 18 500,001 - 1 million
- 17 250,001 - 500,000
- 16 100,001 - 250,000
- 15 50,001 - 100,000
- 14 10,001 - 50,000
- 13 1,001 - 10,000
- 12 101 - 1,000
- 11 11 - 100
- 10 1 - 10
- 09 Less than 1 lb.

CONTAINER CODES
- 50 Above ground tank
- 49 Below ground tank (steel)
- 48 Tank inside building
- 47 Steel drum
- 46 Can
- 45 Carboy
- 44 Silo
- 43 Fiber drum
- 42 Bag
- 41 Box
- 40 Cylinder
- 39 Bottles or jugs (glass)
- 38 Bottles or jugs (plastic)
- 37 Tote bin
- 36 Tank wagon
- 35 Railcar
- 34 Other (Describe)
- 33 Below ground tank (fiberglass)
- 32 Plastic drums

STORAGE CONDITION CODES

Pressure
- 01 Ambient* pressure
- 02 Greater than ambient pressure
- 03 Less than ambient pressure

Temperature
- 04 Ambient temperature
- 05 Greater than ambient temperature
- 06 Less than ambient temperatures but not cryogenic (freezing conditions)
- 07 Cryogenic conditions (less than -200 degrees C)

*Ambient means "normal", "surrounding" or "room" conditions

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CHEMICAL INVENTORY PAGE

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Reporting Period: January 1 - December 31, 1992

CHEMICAL DESCRIPTION	HAZARDS	Inventory (Ranges)	STORAGE CODES AND LOCATIONS
Substance Resin Solution CAS No. ___-___-___ DOT No. ___ Substance No. (if available) ___ Percent ___ (Code) State ___ (Code) Trade Secret ☐ (Check if claiming)	(Codes for all that apply.) 66 . 70 . ___ . ___ . ___	(Enter Code) Max. Daily 16 Avg. Daily 16 Days Onsite 365 (Actual Number)	(Enter Codes, except Location(s); supply narrative.) Container 47 Conditions 01 , 04 Location(s) Tank Farm
Substance Additives CAS No. 64742 - 88 - 7 DOT No. ___ Substance No. (if available) ___ Percent 56 (Code) State ___ (Code) Trade Secret ☐ (Check if claiming)	67 . 68 . 70 . ___ . ___	Max. Daily 13 Avg. Daily 13 Days Onsite 365 (Actual Number)	Container 47 Conditions 01 , 04 Location(s) Vehicle Tank Farm
Substance Additives CAS No. 64742 - 48 - 9 DOT No. ___ Substance No. (if available) ___ Percent ___ (Code) State ___ (Code) Trade Secret ☐ (Check if claiming)	66 . 70 . ___ . ___ . ___	Max. Daily 14 Avg. Daily 13 Days Onsite 365 (Actual Number)	Container 47 Conditions 01 , 04 Location(s) Ubiquitous
Substance Pesticide, Solid CAS No. ___-___-___ DOT No. 2588 Substance No. (if available) 2645 Percent ___ (Code) State ___ (Code) Trade Secret ☐ (Check if claiming)	66 . 67 . 70 . ___ . ___	Max. Daily 13 Avg. Daily 13 Days Onsite 365 (Actual Number)	Container 47 Conditions 01 , 04 Location(s) Building 1, 3rd Floor
Substance Pesticide, Liquid CAS No. ___-___-___ DOT No. 2902 Substance No. (if available) ___ Percent ___ (Code) State ___ (Code) Trade Secret ☐ (Check if claiming)	66 . 67 . 70 . ___ . ___	Max. Daily 13 Avg. Daily 12 Days Onsite 365 (Actual Number)	Container 47 Conditions 01 , 04 Location(s) Building 1, 3rd Floor

PERCENTAGE CODES

61	Unknown
60	100%
59	90 - 99%
58	80 - 89%
57	70 - 79%
56	60 - 69%
55	50 - 59%
54	25 - 49%
53	10 - 24%
52	1 - 9%
51	0 - 0.9%

PHYSICAL STATE CODES

S - Solid
L - Liquid
G - Gas

HAZARD CATEGORY CODES

70	Fire hazard
69	Sudden release of pressure
68	Reactive
67	Immediate (acute) health hazard
66	Delayed (chronic) health hazard

INVENTORY RANGE CODES (in lbs.)

20	Greater than 10 million lbs.
19	1,000,001 - 10 million
18	500,001 - 1 million
17	250,001 - 500,000
16	100,001 - 250,000
15	50,001 - 100,000
14	10,001 - 50,000
13	1,001 - 10,000
12	101 - 1,000
11	11 - 100
10	1 - 10
09	Less than 1 lb.

CONTAINER CODES

50	Above ground tank	40	Cylinder
49	Below ground tank (steel)	39	Bottles or jugs (glass)
48	Tank inside building	36	Bottles or jugs (plastic)
47	Steel drum	37	Tote bin
46	Can	36	Tank wagon
45	Carboy	35	Railcar
44	Silo	34	Other (Describe)
43	Fiber drum	33	Below ground tank (fiberglass)
42	Bag	32	Plastic drums
41	Box		

STORAGE CONDITION CODES

Pressure

01 Ambient* pressure 02 Greater than ambient pressure
03 Less than ambient pressure

Temperature

04 Ambient temperature
05 Greater than ambient temperature
06 Less than ambient temperatures but not cryogenic (freezing conditions)
07 Cryogenic conditions (less than -200 degrees C)

*Ambient means "normal", "surrounding" or "room" conditions

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CHEMICAL INVENTORY PAGE

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Reporting Period: January 1 - December 31, 1992

CHEMICAL DESCRIPTION	HAZARDS	Inventory (Ranges)	STORAGE CODES AND LOCATIONS
Substance Wood Preservative, Liquid CAS No. ___-___-___ DOT No. ___ Substance No. (if available) 2879 Percent ___ (Code) State ___ (Code) Trade Secret ☐ (Check if claiming)	(Codes for all that apply.) 66 . 67 . 70 . ___ . ___	(Enter Code) Max. Daily 16 Avg. Daily 16 Days Onsite 365 (Actual Number)	(Enter Codes, except Location(s); supply narrative.) Container 46 Conditions 01 . 04 Location(s) Buildings 5, 8, 17
Substance Aerosol Spray CAS No. ___-___-___ DOT No. ___ Substance No. (if available) 2068 Percent ___ (Code) State ___ (Code) Trade Secret ☐ (Check if claiming)	66 . 67 . 70 . ___ . ___	Max. Daily 15 Avg. Daily 14 Days Onsite 365 (Actual Number)	Container 34 Conditions 01 . 04 Location(s) Building 5, 1st Floor
Substance Gasoline CAS No. 8006 - 61 - 9 DOT No. 1203 Substance No. (if available) 0957 Percent 60 (Code) State L (Code) Trade Secret ☐ (Check if claiming)	66 . 67 . 70 . ___ . ___	Max. Daily 13 Avg. Daily 12 Days Onsite 365 (Actual Number)	Container 47 Conditions 01 . 04 Location(s) Vehicle Tank Farm
Substance Oil Rags CAS No. ___-___-___ DOT No. ___ Substance No. (if available) 2738 Percent 60 (Code) State S (Code) Trade Secret ☐ (Check if claiming)	70 . ___ . ___ . ___ . ___	Max. Daily 12 Avg. Daily 12 Days Onsite 365 (Actual Number)	Container 34 Conditions 01 . 04 Location(s) Ubiquitous
Substance Sodium Hydroxide CAS No. 1310 - 73 - 2 DOT No. 1823 Substance No. (if available) 1706 Percent 55 (Code) State L (Code) Trade Secret ☐ (Check if claiming)	66 . 67 . ___ . ___ . ___	Max. Daily 13 Avg. Daily 12 Days Onsite 365 (Actual Number)	Container 47 Conditions 01 . 04 Location(s) Vehicle Plant Drum Area

PERCENTAGE CODES

61	Unknown
60	100%
59	90 - 99%
58	80 - 89%
57	70 - 79%
56	60 - 69%
55	50 - 59%
54	25 - 49%
53	10 - 24%
52	1 - 9%
51	0 - 0.9%

PHYSICAL STATE CODES

S - Solid
L - Liquid
G - Gas

HAZARD CATEGORY CODES

70	Fire hazard
69	Sudden release of pressure
68	Reactive
67	Immediate (acute) health hazard
66	Delayed (chronic) health hazard

INVENTORY RANGE CODES (in lbs.)

20	Greater than 10 million lbs.
19	1,000,001 - 10 million
18	500,001 - 1 million
17	250,001 - 500,000
16	100,001 - 250,000
15	50,001 - 100,000
14	10,001 - 50,000
13	1,001 - 10,000
12	101 - 1,000
11	11 - 100
10	1 - 10
09	Less than 1 lb.

CONTAINER CODES

50	Above ground tank	40	Cylinder
49	Below ground tank (steel)	39	Bottles or jugs (glass)
48	Tank inside building	36	Bottles or jugs (plastic)
47	Steel drum	37	Tote bin
46	Can	36	Tank wagon
45	Carboy	35	Railcar
44	Silo	34	Other (Describe)
43	Fiber drum	33	Below ground tank (fiberglass)
42	Bag	32	Plastic drums
41	Box		

STORAGE CONDITION CODES

Pressure
01 Ambient* pressure 02 Greater than ambient pressure
03 Less than ambient pressure

Temperature
04 Ambient temperature
05 Greater than ambient temperature
06 Less than ambient temperature but not cryogenic (freezing conditions)
07 Cryogenic conditions (less than -200 degrees C)

*Ambient means "normal", "surrounding" or "room" conditions

Oily Rags Gasoline

L. F. STEPHENS, P.16

☎ 201 654 9595

07/19/93 14136

844680034

P.17

L. F. STEPHENS,

8 201 654 9595

All Solvents (Drums)

07/19/93 14:37

844680035

P0 13-100

BENJAMIN MOORE & CO.
134 LISTER AVE., NEWARK,

CHEMICAL INVENTORY PAGE

IMPORTANT! *Read instructions. Photocopy this page if you need additional forms. Please type all responses.*

Reporting Period: January 1 - December 31, 1992

CHEMICAL DESCRIPTION	HAZARDS (Codes for all that apply.)	Inventory (Ranges)	STORAGE CODES AND LOCATIONS (Enter Codes, except Location(s); supply narrative.)
Substance Driers CAS No. ___-___-___ DOT No. 1168 Substance No. (If available) 2375 Percent 60 (Code) State L (Code) Trade Secret ☐ (Check if claiming)	66 . 67 . 70 . ___ . ___	(Enter Code) Max. Daily 14 Avg. Daily 13 Days Onsite 365 (Actual Number)	Container 47 Conditions 01 . 04 Location(s) Drum Area In Yard Building 1, 3rd Floor
Substance Solvent Paint CAS No. ___-___-___ DOT No. 1142 Substance No. (If available) 2423 Percent 60 (Code) State L (Code) Trade Secret ☐ (Check if claiming)	66 . 67 . 70 . ___ . ___	Max. Daily 19 Avg. Daily 18 Days Onsite 365 (Actual Number)	Container 46 Conditions 01 . 04 Location(s) Bldgs. 1, 5, 8, 17
Substance Solvent Paint & Stain CAS No. ___-___-___ DOT No. ___ Substance No. (If available) ___ Percent 60 (Code) State L (Code) Trade Secret ☐ (Check if claiming)	66 . 67 . 70 . ___ . ___	Max. Daily 19 Avg. Daily 19 Days Onsite 365 (Actual Number)	Container 46 Conditions 01 . 04 Location(s) Bldgs. 1, 5, 8, 17
Substance Solvents CAS No. ___-___-___ DOT No. 1993 Substance No. (If available) 2426 Percent 60 (Code) State L (Code) Trade Secret ☐ (Check if claiming)	66 . 67 . 70 . ___ . ___	Max. Daily 15 Avg. Daily 14 Days Onsite 365 (Actual Number)	Container 47 Conditions 01 . 04 Location(s) Yard Drum Area
Substance Paint, Latex CAS No. ___-___-___ DOT No. ___ Substance No. (If available) 2885 Percent 60 (Code) State L (Code) Trade Secret ☐ (Check if claiming)	___ . ___ . ___ . ___ . ___	Max. Daily 19 Avg. Daily 19 Days Onsite 365 (Actual Number)	Container 46 Conditions 01 . 04 Location(s) Bldgs. 1, 5, 8, 17

PERCENTAGE CODES

61	Unknown
60	100%
59	99 - 99%
58	90 - 89%
57	70 - 79%
56	80 - 69%
55	50 - 59%
54	25 - 49%
53	10 - 24%
52	1 - 9%
51	0 - 0.9%

PHYSICAL STATE CODES

S - Solid
L - Liquid
G - Gas

HAZARD CATEGORY CODES

70	Fire hazard
69	Sudden release of pressure
68	Reactive
67	Immediate (acute) health hazard
66	Delayed (chronic) health hazard

INVENTORY RANGE CODES (in lbs.)

20	Greater than 10 million lbs.
19	1,000,001 - 10 million
18	500,001 - 1 million
17	250,001 - 500,000
16	100,001 - 250,000
15	50,001 - 100,000
14	10,001 - 50,000
13	1,001 - 10,000
12	101 - 1,000
11	11 - 100
10	1 - 10
09	Less than 1 lb.

CONTAINER CODES

50	Above ground tank
49	Below ground tank (steel)
48	Tank inside building
47	Steel drum
46	Can
45	Carboy
44	Silo
43	Fiber drum
42	Bag
41	Box
40	Cylinder
39	Bottles or jugs (glass)
38	Bottles or jugs (plastic)
37	Tote bin
36	Tank wagon
35	Railcar
34	Other (Describe)
33	Below ground tank (fiberglass)
32	Plastic drums

STORAGE CONDITION CODES

Pressure

01 Ambient* pressure 02 Greater than ambient pressure
03 Less than ambient pressure

Temperature

04 Ambient temperature
05 Greater than ambient temperature
06 Less than ambient temperature but not cryogenic (freezing conditions)
07 Cryogenic conditions (less than -200 degrees C)

*Ambient means "normal", "surrounding" or "room" conditions

BENJAMIN MOORE & CO.
134 LISTER AVE., NEWARK,

CHEMICAL INVENTORY PAGE

IMPORTANT! Read instructions. Photocopy this page if you need additional forms. Please type all responses.

Reporting Period: January 1 - December 31, 1992

CHEMICAL DESCRIPTION	HAZARDS (Codes for all that apply.)	Inventory (Ranges) (Enter Code)	STORAGE CODES AND LOCATIONS (Enter Codes, except Location(s); supply narrative.)
Substance: Additives; CAS No. 8032-32-4; DOT No. 1115; Substance No. (if available): ; Percent (Code): 54; State (Code): L; Trade Secret (Check if claiming): ☐	66, 67, 70	Max. Daily 13; Avg. Daily 13; Days Onsite (Actual Number) 365	Container 47; Conditions 01, 04; Location(s): Ubiquitous
Substance: Aerosol Sprays; CAS No. ; DOT No. 1950; Substance No. (if available): 2068; Percent (Code): 60; State (Code): L; Trade Secret (Check if claiming): ☐	66, 67, 70	Max. Daily 15; Avg. Daily 14; Days Onsite (Actual Number) 365	Container 34; Conditions 01, 04; Location(s): Building 5, 1st Floor
Substance: ; CAS No. ; DOT No. ; Substance No. (if available): ; Percent (Code): ; State (Code): ; Trade Secret (Check if claiming): ☐		Max. Daily ; Avg. Daily ; Days Onsite (Actual Number)	Container ; Conditions ; Location(s):
Substance: ; CAS No. ; DOT No. ; Substance No. (if available): ; Percent (Code): ; State (Code): ; Trade Secret (Check if claiming): ☐		Max. Daily ; Avg. Daily ; Days Onsite (Actual Number)	Container ; Conditions ; Location(s):
Substance: ; CAS No. ; DOT No. ; Substance No. (if available): ; Percent (Code): ; State (Code): ; Trade Secret (Check if claiming): ☐		Max. Daily ; Avg. Daily ; Days Onsite (Actual Number)	Container ; Conditions ; Location(s):

PERCENTAGE CODES
- 91 Unknown
- 60 100%
- 59 90 - 99%
- 58 80 - 89%
- 57 70 - 79%
- 56 60 - 69%
- 55 50 - 59%
- 54 25 - 49%
- 53 10 - 24%
- 52 1 - 9%
- 51 0 - 0.9%

PHYSICAL STATE CODES
- S - Solid
- L - Liquid
- G - Gas

HAZARD CATEGORY CODES
- 70 Fire hazard
- 69 Sudden release of pressure
- 68 Reactive
- 67 Immediate (acute) health hazard
- 66 Delayed (chronic) health hazard

INVENTORY RANGE CODES (in lbs.)
- 20 Greater than 10 million lbs.
- 19 1,000,001 - 10 million
- 18 500,001 - 1 million
- 17 250,001 - 500,000
- 16 100,001 - 250,000
- 15 50,001 - 100,000
- 14 10,001 - 50,000
- 13 1,001 - 10,000
- 12 101 - 1,000
- 11 11 - 100
- 10 1 - 10
- 09 Less than 1 lb.

CONTAINER CODES
- 50 Above ground tank
- 49 Below ground tank (steel)
- 48 Tank inside building
- 47 Steel drum
- 46 Can
- 45 Carboy
- 44 Silo
- 43 Fiber drum
- 42 Bag
- 41 Box
- 40 Cylinder
- 39 Bottles or jugs (glass)
- 38 Bottles or jugs (plastic)
- 37 Tote bin
- 36 Tank wagon
- 35 Railcar
- 34 Other (Describe)
- 33 Below ground tank (fiberglass)
- 32 Plastic drums

STORAGE CONDITION CODES

Pressure
- 01 Ambient* pressure
- 02 Greater than ambient pressure
- 03 Less than ambient pressure

Temperature
- 04 Ambient temperature
- 05 Greater than ambient temperature
- 06 Less than ambient temperature but not cryogenic (freezing conditions)
- 07 Cryogenic conditions (less than -200 degrees C)

*Ambient means "normal", "surrounding" or "room" conditions

INSTRUMENT LABORATORY

Analysis Report

Project Number: 586 Date: 9/21/84

Origin: Garry A. Lehnert, Engineering Department

Sample Number:

Newark wash solvent (for fuel use)

Laboratory Book Nos: 23028-87

Wt. per gal.: (lbs.) Not Applicable

Non-Volatile Matter: (Wt. %) 1.2

Ash (Wt. %) 0.0008 (Based on total sample weight)

Acid No.: (100% N.V.M.) Not Applicable

pH: Not Applicable

Test Method(s):

Pensky-Martens Flash Point Tester, Atomic Absorption Analysis
Brookfield Viscometer

Results:

Soluble Solids	:	1.14%
Viscosity	:	6 cps.
Flash Point	:	117.5°F.
Cadmium	:	0.0003%
Chromium	:	0.003%
Lead	:	<0.005%
Zinc	:	0.11%
Calcium	:	0.14%

The results for the elemental analysis are based on the non-volatile matter.

844680037

Robert J. Bonadies

INSTRUMENT LABORATORY

Analysis Report

Project Number: 578

Origin: Barry A. Jenkin, Quality Assurance Laboratory

Date: October 26, 1984

Sample Number:

5012-66-8A Newark Water Waste "D" Tank (8/6/84)

5012-66-8B Newark Wash Water Tank #9 (8/10/84)

Laboratory Book Nos: 23028-75

Wt. per gal.: (lbs.) See Request Form

Non-Volatile Matter: (Wt. %) " " "

Ash (Wt. %) Not Applicable

Acid No.: (100% N.V.M.) " "

pH: See Request Form

Method(s): EPA Extraction Procedure for Solid Waste and Pensky-Martens Closed Cup Tester

Results:

Metal	Concentration (PPM) 5012-66-8A	5012-66-8B	Permissible Extract Level (PPM)
Arsenic	0.009	0.018	5.0
Barium	1.04	2.86	100.0
Cadmium	0.043	0.272	1.0
Chromium	0.029	< 0.04	5.0
Mercury	< 0.30	< 0.29	5.0
Selenium	< 0.005	< 0.001	0.2
Silver	< 0.002	0.007	1.0
	< 0.04	< 0.04	5.0

The flash point for 5012-66-8A and 5012-66-8B are both greater than 140°F.

844680038

Robert J. Donadio

[illegible] LABORATORY

Analysis Report

Date: November 3, 1986

[illegible] Number: (1) Origin: Garry A. Lahnert, Engineering Department

[illegible]ple Number: Newark Wash Solvent (for fuel use)

Laboratory Book Nos: 23030-23

Wt. per gal.: (lbs.) Not Applicable

Non-Volatile Matter: (Wt. %) Not Applicable

Ash (Wt. %) Not Applicable

Acid No.: (100% N.V.M.) Not Applicable

pH: Not Applicable

Test Method(s):

Gas Chromatography/Mass Spectroscopy

Results:

The following components were detected in the volatile portion of the Newark wash solvent.

1.6%	Propoxyethanol
0.7%	Butyl Cellosolve
2.2%	Isobutyl isobutyrate
95.5%	Mineral Spirits

844680039

Robert J. Bonadies

Form DEF-061 A
4/88

PAGE 1 OF ____

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
DUTY OFFICER NOTIFICATION REPORT

07-14-43

CASE NO. 88 (Yr) - 09 (Mo) - 30 (Day) - 2217 (Time)

DATE 9 (Mo) - 30 (Day) - 88 (Yr) REC'D BY R-12/106 TIME 2238

INCIDENT REPORT BY:
Name Disp #45 Phone 201-733-7400
Street
City Newark State
Affiliation/Title F.D.

INCIDENT LOCATION: ____ Transportation ✓ Facility ____ Other:
Name (Site): Benjamin Moore Paint Factory Phone
Street 132 Lister Ave
City Newark County Essex State N.J. Zip Code
Date of Incident: 9 (Mo) - 30 (Day) - 88 (Yr) Time: 2200

IDENTITY OF SUBSTANCE(S) SPILLED, RELEASED, ETC.: ✓ Suspected ____ Unknown
Name of Substance(s) [Gas, Liquid, Solid]: Acetate + Acrylate
Amount Released/Spilled 20-55 gal drums Actual ____ Potential ✓ Estimated Substance Contained Y N (U)
Type of Release/Spill: ✓ Terminated ____ Continuous ____ Intermittent Hazardous Material (Y) N U

INCIDENT DESCRIPTION:
____ Fire ____ Explosion ____ Air Rel ✓ Spill ____ MVA ____ Derailment ____ Smoke/Dust
____ Odors ____ Sewage ____ NJPDES ____ Noise ____ Wildlife ____ Illegal Dumping ____ Drums
____ Equip Start-Up/Shutdown, Equip Fail/Upset, etc.
____ Other (specify)

Injuries Y (N) U | Public Exposure Y (N) U
Facility Evacuation Y (N) U | Fire Department at Scene (Y) N U
Population Evacuation Y (N) U | Police at Scene Y (N) U
Potable Water Source Y (N) U | Assistance Requested (Y) N U
Contamination of ____ Air ✓ Land ____ Water | Precipitation Y (N) U
Receiving Water None | Wind Direction/Speed /
Location Type ____ Residential ✓ Industrial ____ Commercial ____ Rural ____ Sensitive Population (Hosp., School, Nurs. Home)

STATUS AT INCIDENT SCENE overfilled vat, then siphoned some off and had a reaction in drums of siphoned material. Material spilled onto ground.

RESPONSIBLE PARTY: ✓ Suspected ____ Unknown
Company Name Same as I.L. Phone
Contact Title
Street
City County State Zip Code

OFFICIALS NOTIFIED (Name/Title)
NJSP: / Phone Date/Time / (T/M)
Local Health: / Phone Date/Time / (T/M)
Local Munic: / Phone Date/Time / (T/M)
USEPA: / Phone Date/Time / (T/M)

INCIDENT REFERRED TO:
____ DEO ____ DWR ____ DSWM ____ DHSM ____ DHWM ____ DOH ____ DFG ____ DPF ____ DCJ ____ DCR
Region: ____ Northern ____ Metro ____ Central ____ Southern ✓ ER1 ____ ER2
1. Name/Affil L. Jones / BEERI Phone Date/Time / (T/M)
2. Name/Affil / Phone Date/Time / (T/M)
3. Name/Affil / Phone Date/Time / (T/M)

DEP RESPONSE Emergency Immediate Priority No Response

COMMENTS 2246 - Disp. #45 - 259-5977 - Has Mr. Tuck has met them on site. No answer at 2301. Requested F.D. radio them to contact me.

COPIES: White - Lead Agency Yellow - BC & SS Pink - Other

844680040

Form DEP-061 B
3/87

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION

DUTY OFFICER UPDATE LOG

CASE NO. 88 (Yr) - 09 (Mo) - 30 (Day) - 2217 (Time)

TIME	UPDATE/COMMENTS
2307	CHIEF [illegible] - 70-50 gal DRUMS - LATEX BASED PAINT - TOXIC CLOUD BEING GIVEN OFF BY DRUMS MATERIALS WATER REACTIVE AND EXOTHERMIC. BENJAMIN MOORE RECOMMENDS MATERIAL BE ALLOWED TO COOL [illegible] ON IT'S OWN.
2313	BUTYL ACRYLATE AND VINYL ACETATE - STORM FORMING VAPORS [illegible] [illegible] SUBURBS. MATERIAL HAS NOT LEFT PROPERTY LINE YET. SOME DRUMS NOT BEING VENTED. (259-5977 TANELL - 528-9581 COOPER)
	UNVENTED DRUMS MAY BURST DUE TO PRESSURE BUILD UP.
2318	UPDATE - G. ALLON - ADVISED TO SEND OVERRESPONDER
2120	[illegible] - NOT ABLE TO RESPOND
2122	- [illegible] WILL RESPOND
	Report [illegible]

Copies: White - Lead Agency Blue - Comm. Center Pink - A310 Goldenrod - Other

844680041

C

844680042

REPORT ON THE
QUALITY OF THE INTERSTATE WATERS
OF THE
LOWER PASSAIC RIVER AND UPPER AND LOWER BAYS
OF NEW YORK HARBOR

U. S. DEPARTMENT OF THE INTERIOR
U.S. FEDERAL WATER POLLUTION CONTROL ADMINISTRATION.
NORTHEAST REGION.
HUDSON DELAWARE BASINS OFFICE
Edison, New Jersey

November 1969

TABLE 6 (Cont'd.)

Map Ident. No.	Source Municipality	River Mile [2]	Pipe Size	Est. Flow mgd	Temp. °C	BOD mg/l	Total Suspended Solids mg/l	pH	Total Coliform Org./100 ml	Fecal Coliform Org./100 ml	Remarks
19	Interstate Soap Co. [3] [4] Newark	3.3	Flow from under building	-	-	-	-		-	-	BOD = >420 mg/1, Ether sol. = 145 mg/1, pH = 5.8 suspended solids = 1104 mg/1
20	Lockwood Street Storm Sewer [3] Newark	3.4	Undetermined size	-	-	-	-	-	-	-	
21	Benjamin Moore Paint [3] Newark	3.4	60", 10"	60" = slight	24.5	18.2	178	-	$45x10^4$	$38x10^2$	60" - BOD = 61 mg/1 pH = 7.7 [4]
				10" = .01	21.5	nil	62	-	$73x10^2$	$16x10^1$	10" - BOD = 183 mg/1 pH = 7.2 [4]
22	Sherwin-Williams Newark	3.6	4"	0.05	30.2	nil	132	6.7	$43x10^4$	$90x10^2$	Colored discharge
			12"	0.25	25.0	nil	92	7.4	$60x10^3$	$41x10^2$	
			6"	0.60	25.0	nil	132	7.0	$21x10^4$	$90x10^2$	
			8"x10" opening	0.12	36.0	63.5	120	7.0	$86x10^3$	$33x10^2$	
			7"	0.01	25.0	41.4	14	3.3	10	4	
			3"	-	-	-	-	-	-	-	
			18"	-	-	-	-	-	-	-	
			Several others	-	-	-	-	-	-	-	
23	Barth Smelting & Refining Co. [4] Newark	4.0	10"	-	-	-	-	-	-	-	pH = 7.3, Ether sol. = 2.0 mg/1
24	Storm Sewer [3] Newark	4.4	36"	-	-	-	-	-	-	-	
25	Mott Street Storm Sewer [3] Newark	4.5	41"	0.78	20.5	nil	28	6.0	$15x10^4$	$70x10^2$	
26	Storm Sewer from Ind. Area Harrison	4.6	6'x6'	-	-	-	-	-	-	-	pH = 6.5, Ether sol. = 160 mg/1 [4]
27	Public Service [3] Harrison	4.8	72"	Small	27.0	nil	164	6.8	$62x10^3$	$27x10^2$	Ether sol. = .363 mg/1 [4]
28	Otis Elevator [3] Harrison	5.2	18", 8", 6", small pipes	-	-	-	-	-	-	-	Pipes flowing samples could not be taken 8": Ether sol. = 699 mg/1 pH = 6.0 [4]
29	WOPCO Harrison	5.6	4"	0.02	19.0	nil	4	-	$24x10^2$	$12x10^1$	Colored discharge
			4"	0.003	20.5	74.0	8	-	10	4	
			4"	0.09	25.0	nil	132	-	$99x10^3$	$75x10^2$	
			12"	0.20	37.0	92.8	72	-	$68x10^3$	$51x10^2$	
			6"	0.68	24.5	nil	164	-	$10x10^4$	$11x10^3$	
			2½"	Large	24.0	nil	200	-	$20x10^4$	$17x10^3$	
			6"	0.08	37.0	nil	154	-	$79x10^3$	$65x10^2$	
30	Storm Sewer Harrison	6.1	15"	-	-	-	-	-	-	-	
31	Hillside Metal Products Newark	6.4	8"	0.01	21.0	3.8	50	6.0	$30x10^2$	$56x10^1$	
			8"	0.05	37.0	5.8	60	3.5	$39x10^3$	$35x10^2$	
			6", other pipes	-	-	-	-	-	-	-	
32	Congoleum-Nairn, Inc. [4] Kearny	7.1	4"	0.3	-	-	-	-	-	-	
33	Pittsburgh Plate Glass Co. Newark	7.3	2-36"	-	-	-	-	-	-	-	Pipes flowing samples could not be taken
			several other pipes	-	-	-	-	-	-	-	

D

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

August 15, 1969

Mr. Ralph W. Lettieri, Regional Director
Benjamin Moore and Company
134 Lister Avenue
Newark, New Jersey 07105

Dear Mr. Lettieri:

There is enclosed for service upon you an Order, in duplicate, made by this Department pursuant to the provisions of R.S. 58:12-2.

Kindly acknowledge receipt of this Order by affixing your signature and date of acceptance on the back of the original and return it to this Department in the enclosed envelope. The duplicate may be retained by you.

Very truly yours,

Ernest R. Segesser, Chief Engineer
Water Pollution Control Program

6F22:sll

Enclosure

cc: Air Sanitation
Division of Fish and Game
Metropolitan State Health District
Passaic Valley Sewerage Commissioners

ORDER

WHEREAS, The State Department of Health of the State of New Jersey has found through investigations made by its representatives that Benjamin Moore and Company in the City of Newark, County of Essex and State of New Jersey, is discharging industrial waste and other polluting matter into the Passaic River, being waters of this State, thereby causing or threatening injury to the inhabitants of this State either in their health, comfort or property, in violation of R.S. 58:12-2; and

WHEREAS, The State Department of Health of the State of New Jersey has found through investigations made by its representatives that Benjamin Moore and Company in the City of Newark, County of Essex of the State of New Jersey, is discharging harmful, deleterious and polluting matter from a sewer or drain into the Passaic River, being waters of this State, without approval of the State Department of Health as required by R.S. 58:12-3.

WHEREAS, The State Department of Health of the State of New Jersey, in consideration of the aforesaid findings, is of the opinion that in order for the wastewater to be properly, adequately and sufficiently treated and/or otherwise disposed of, wastewater treatment and/or disposal facilities must be provided in a manner approved by the State Department of Health of the State of New Jersey; therefore

NOTICE IS HEREBY GIVEN, by the State Department of Health of the State of New Jersey, pursuant to the applicable provisions of R.S. 58:12-2 to Benjamin Moore and Company in the City of Newark, County of Essex and State of New Jersey, requiring that the Company, on or before November 10, 1969, install and provide wastewater treatment and/or disposal facilities in order that the Company's wastewaters be properly, adequately, and sufficiently treated and/or otherwise be disposed of in a manner approved by the State Department of Health; and

NOTICE IS FURTHER GIVEN, by the State Department of Health of the State of New Jersey that the Company cease and desist discharging its industrial waste or other polluting matter from any sewer or drain into the waters of the Passaic River being waters of this State by November 10, 1969 and thereafter.

STATE DEPARTMENT OF HEALTH OF THE STATE OF NEW JERSEY

Richard J. Sullivan, Director
Division of Clean Air & Water

Dated: August 15, 1969

E

844680049

WPC 147 Newark 1974

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION

MEMO

TO Messrs. Binder and Hamilton

FROM Mr. Wanderlich DATE February 28, 1973

SUBJECT Inspection of Benjamen Moore and Co., Newark, Administrative Order of 8/15/69

On February 5, 1973, Mr. Hamilton and I met with Mr. Gabrial Malkin, Chief Engineer for Benjamen Moore and Co., Newark. After reviewing his records in regard to the administrative order of August 15, 1969, Mr. Malkin proceeded to escort us to the drainage pipe in question. Two pipes, one 18" in diameter, and one 6" in diameter ran from a surface water runoff storage building where they were fed by one electric automatic; and one manual gasoline sump pump. Seeing the water level in the storage building was not high enough to activate the electric pump automaticly, it was activated manually by an employee and samples were taken from the discharge.

Laboratory analysis will be attached when completed.

Eric Wanderlich
Student Assistant

EW/G12

844680050

Chem-25
Nov 68

NEW JERSEY STATE DEPARTMENT OF HEALTH
STREAM OR WASTEWATER ANALYSIS

Date Received 2/5/73
Lab. No. M48 ECD

PLEASE TYPE OR PRINT WITH BALLPOINT PEN

FIELD INFORMATION

Date of Collection 2-5- 1973
Hour 10:40 A.M. P.M. ✓
Sample No. SA 37092
Composite Period GRAB Interval
Collected by Hamilton & Wonderlick
Municipality NEWARK
Residual Chlorine: Immediate
Plant BENJAMIN MOORE & CO Developed
Stream PASSAIC RIVER Flow Rate
Location 134 LISTER AVE Temperature
Description and Remarks: SAMPLE TAKEN FROM 6" PIPE
SUMP PUMP OPERATED MANUALLY

Dilutions Requested (Bacteriological)

10	1	10^{-1}	10^{-2}	10^{-3}	10^{-4}	10^{-5}	10^{-6}
	5	5	5				

LABORATORY RESULTS
BACTERIOLOGICAL

Coliform MPN/100 ml. (Confirmed Test); Fecal Coliform MPN/100 ml. 9200
Fecal Streptococci: MPN/100 ml. Other

CHEMICAL AND PHYSICAL ANALYSES (mgs./liter, unless otherwise noted)

X	Color (units) GRAY		Nitrite N	X	Total Solids 412	Other Determinations
X	Odor (cold) III Chl		Nitrate N	X	Ash 276	
X	Turbidity (units) 73		Ammonia N		Total Phosphate (PO_4)	
X	pH 9.5		Total Nitrogen	X	Detergents 1.04	
	Acidity to pH 4	X	Chloride 84		Phenols	DIVISION OF LABORATORIES
	Alkalinity to pH 4	X	Suspended Solids 66	X	COD 176	ANALYSIS COMPLETED
		X	Ash 28		Ether Soluble	FEB 21 1973

BIOCHEMICAL OXYGEN DEMAND (mgs./liter) REPORT SUBMITTED

Field D.O.			Chlorine Special			pH Special					
Initial D.O. (Lab.)	7.6		Dil. Water D.O.			Seed Corr.					
Sample Conc. %	0.1	0.2	0.5	1.0	2.0	5.0	10	25	50	75	100
D.O. after Incubation											
BOD 7 day					119		>		>		

PART 1 -- CHEMISTRY COPY

844680051

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION

MEMO

TO Mr. Binder

FROM Mr. Hamilton DATE March 6, 1973

SUBJECT Benjamin Moore and Co., Newark

Attached are the sampling results and a memo from Mr. Wanderlich, which is self explanatory. Obviously, Benjamin Moore and Co. still has a problem and is not in compliance.

Recomendation:

Another inspection with more sampling appears to be in order. Benjamin Moore and Co. should be notified of our results so that they may be better able to identify the source of pollution.

James K. Hamilton

6E44:G12

844680052

March 15, 1973

File

Mr. Gabriel Malken
Benjamin Moore and Co.
134 Lister Avenue
Newark, New Jersey 07105

Dear Mr. Malken:

Re: Administrative Order
dated August 15, 1969

On February 5, 1973 Mr. Wonderlich and I met with you at your plant and discussed the above-referenced Administrative Order. Our discussion revealed that some latex wastewater which had earlier contaminated your discharge had been removed and that you felt your discharge was now acceptable.

However, the laboratory analyses of the samples collected from your six inch pipe on February 5, 1973 shown your discharge to be unacceptable in color, turbidity, pH, suspended solids, chemical oxygen demand, and biological oxygen demand. Copies of the laboratory analysis are enclosed for your records.

Therefore, this office directs Benjamin Moore and Co. to respond in writing within two weeks of receipt of this letter, detailing what measures will be taken to insure compliance with the Administrative Order of August 15, 1969.

Very truly yours,

James K. Hamilton
Enforcement Unit
Bureau of Water Pollution Control

6E44:68
cc: Mr. Harding

F

844680054

Benjamin Moore & Co.
PAINTS • VARNISHES • ENAMELS

MONTVALE
NEW YORK
NEWARK
BOSTON
RICHMOND
JACKSONVILLE
CHICAGO
ST. LOUIS
CLEVELAND
HOUSTON
PITTSBURGH
DENVER
LOS ANGELES
SANTA CLARA
TORONTO
MONTREAL
VANCOUVER

134 LISTER AVENUE NEWARK, NEW JERSEY 07105

ENGINEERING DEPARTMENT

116-2331

November 12, 1980

Mr. Vincent J. Roselli
Industrial Inspector
Passaic Valley Sewerage Commission
600 Wilson Avenue
Newark, New Jersey 07105

Reference: Newark Plant - Sewerage

Dear Mr. Roselli:

On Monday, November 3, you and Mr. Alex Smolok visited our Newark Plant in the course of an investigation being made to determine the source of a rubbery material which has obstructed the sanitary sewer downstream from our plant. Since we both manufacture and use latex emulsions at this location you were checking us out as a possible source of the material found in the sewer.

At that time I told you that I was absolutely certain that no latex waste is emanating from our paint manufacturing operation, as all wash water from that operation is either recycled or pumped out of the building into bulk storage tanks for ultimate disposal by SCA Chemical Services, our next door neighbor. (During the calendar year 1979, 223,000 gallons of wash water were disposed of in this fashion.) However, I did tell you that I would check out the operation of our resin plant where we manufacture the latex emulsions used in our paint, and told you that I would send you a letter detailing what I have learned.

I was out of the office last Tuesday through Thursday, and therefore did not have the opportunity to complete my investigations and get a letter off to you prior to your return visit yesterday.

Mr. Miron Dacko the Supervisor of our resin plant, has assured me that no latex is being disposed of in the sanitary sewer system. Latex manufacture is a batch operation. The raw materials are reacted in a stainless steel vessel, then pumped over to a holding tank for final adjustments and testing after which the product is pumped to bulk storage tanks. Normal procedure is to wash the reactor vessel out at the end of each batch and then pump the wash water through the line to the holding tank, so that the wash water becomes part of the batch. The same procedure is followed when the holding tank is evacuated, so all wash water used ends up as part of the product delivered to the paint plant bulk storage facility. The reactor vessel does have to be cleaned periodically, but this is done with a separate cleaning solution, containing solvent and other ingredients. The cleaning system includes a storage tank for the solution which is used repeatedly. When the solution has lost its effectiveness, it must be disposed of as a hazardous waste.

I have every reason to believe that the information given me is correct, particularly in view of our past experience with the 6" sewer line on our property. We started manufacturing latex emulsion paints back in the early 1950's. Initially the wash water was run into two lagoons, one of which would be in service while the other one was allowed to dry out so the solid material could be dug out with a back hoe and hauled away to a landfill. During the 1960's our management decided that the lagoons were unsightly and we were told to find other means of disposal. This resulted in a period of time during which we disposed of the latex wash water into the sanitary sewer system, concerning ourselves only that the wash water was diluted sufficiently to bring the solids content down to the standards which existed at that time. However, we soon began having trouble with the 6" sanitary sewer which runs for a distance of approximately 600' on our property. A gel was forming, resulting in backup. This necessitated relatively frequent cleaning of the sewer line, so disposal of wash water into your system was discontinued about six or seven years ago. I spoke with the plant maintenance supervisor regarding this and he promised me that he will search through his records for the date of the last sewer cleaning, which was done after sewer disposal of latex wash water was discontinued. When I receive this information I will notify you if the date of discontinuance is not within the six to seven year ago range.

While you were here yesterday we looked at sewer sampling point #1 and noted that there is scummy material floating on the surface at that point. The same material is still there today, since the pit acts as a grease trap, as the discharge

from this pit is at a lower elevation than the sanitary sewer in the street. After you left yesterday I spoke with our Technical Director, Mr. John E. Lynch and he assured me that he will arrange for an analysis of this material, which can be done by our own instrument laboratory.

Having discussed in detail the use of the sanitary sewer with the plant superintendent, the resin plant supervisor, the waste disposal supervisor, maintenance supervisor and one maintenance foreman, I am certain that no latex is being placed in the sanitary sewer system, with the exception of the small amount which would enter the system from our laboratory or maintenance operations as a result of washing paint brushes.

We do however have two types of industrial waste entering the sewer at the present time. One of these is the water from a fume scrubber, which I believe I mentioned to you, and which I suspect accounts for the material we saw floating in the sewer pit yesterday. The other item which I learned about from talking with our personnel is the material removed from a plant tank cleaning system. A recirculated cleaning solution system is used to clean the small portable tanks in the paint plant and cleaning the interiors of tank trailers which we use in hauling paint resins to other company branches. The system is cleaned out once every six weeks. The quantity involved cannot be more than 275 gallons as that is the size of the tank used to accumulate the waste material. The cleaning solution is made up of water plus two chemicals which are purchased from DuBois Chemical Company. Arrangements will be made to check both the quality and quantity of this material at the time of the next cleaning cycle. I understand from our conversation yesterday that the acceptable ph range is 5 - 9. Incidentally I checked with three of our polymer research chemists and was told that the ph range of our present latex emulsions is 6.5 to 8.0, with a tendency for the ph to drop when handled, due to inclusion of CO2 from the air. I mention this because I indicated to you that these materials have a ph in the range of 9.0. This was true some years ago, but is no longer the case.

Very truly yours,

BENJAMIN MOORE & CO.

G. A. Lehnert

Garry A. Lehnert, P.E.
Chief Engineer

GAT.·mjh

cc: Mr. J. N. Caruso
Mr. D. J. Herring
Mr. Mario Graglia-PVSC

G

844680058

DIVISION OF WASTE MANAGEMENT
BUREAU OF FIELD OPERATIONS

INVESTIGATIVE REPORT

Inspector: L. Zaninelli Date: 11-26-84 Time: 0920 Hrs. DWM Incident Report #: 07-14-43

Company Name: Benjamin Moore & Company Telephone: (201) 344-1200

Street: 134 Lister Avenue Property Owner: _____

Town: Newark Address: _____

County: Essex _____

Lot: 34, 40 and partial 62 Block: 2438 _____

Type Ownership: _____

INVESTIGATIVE FINDINGS:

On 11-26-84 at approximately 0920 hours the writer along with HSMA representative, Lisa Geiger arrived on-site. We met with Carl Minchew - Plant Operations Manager and Gary Lehnert - Chief Engineer and the nature of our visit was discussed. We were informed of the existence of an on-site earthen retention basin used to collect rain water runoff as well as a small amount of infiltration from the Passaic River during high tides. This basin is approximately 80' x 100' in size and three feet deep, and has been on-site for at least fifteen years. According to plant representatives, it was believed that runoff used to go through a pump house to a 72" diameter storm sewer adjacent to the basin and into the Passaic River. However, the city of Newark sealed this line and requested that it not be used due to overloading.

Inspection of the basin area revealed same and contained approximately one inch of material, and was approximately 360,000 cubic feet in size. Location is at the far northeast section of the property. Material either percolates into the ground or evaporates.

844680059

Subject: Benjamin Moore & Company Date: 11-26-84

Findings and Summary:

Plant representatives indicated that if retention basin usage presents a problem, other means for surface runoff disposal could be arranged.

SAMPLES AND PHOTOS -

No samples were obtained, four (4) photos were obtained.

The writer secured the site at approximately 1000 hours.

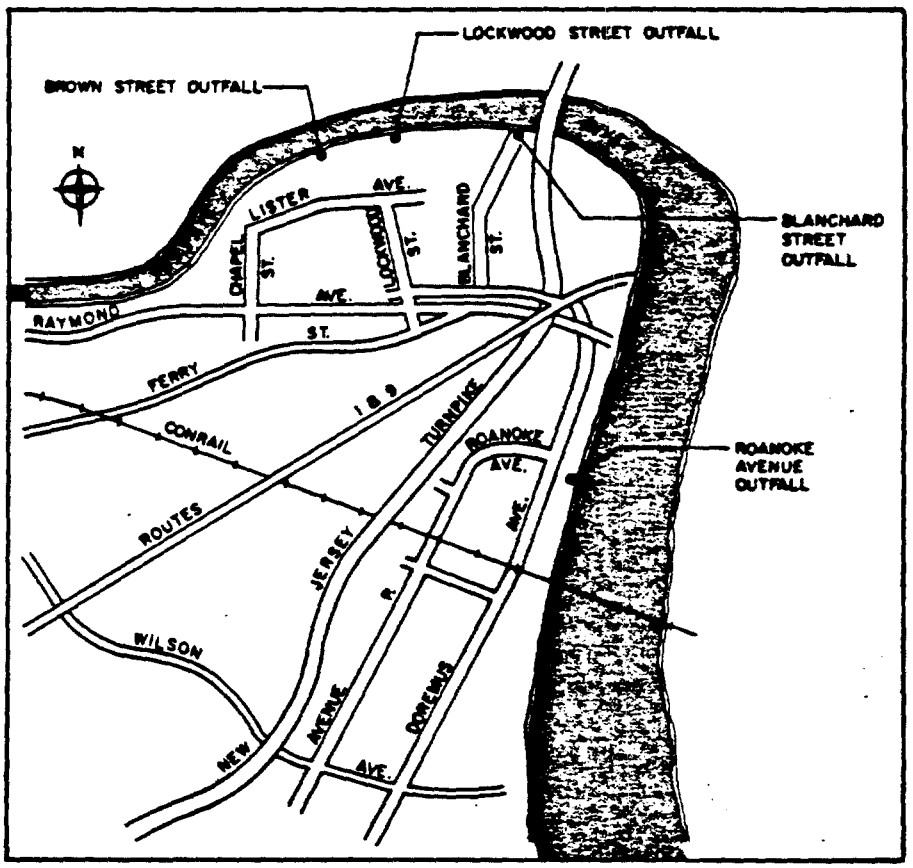
H

844680061

City of Newark, New Jersey

Feasibility Study

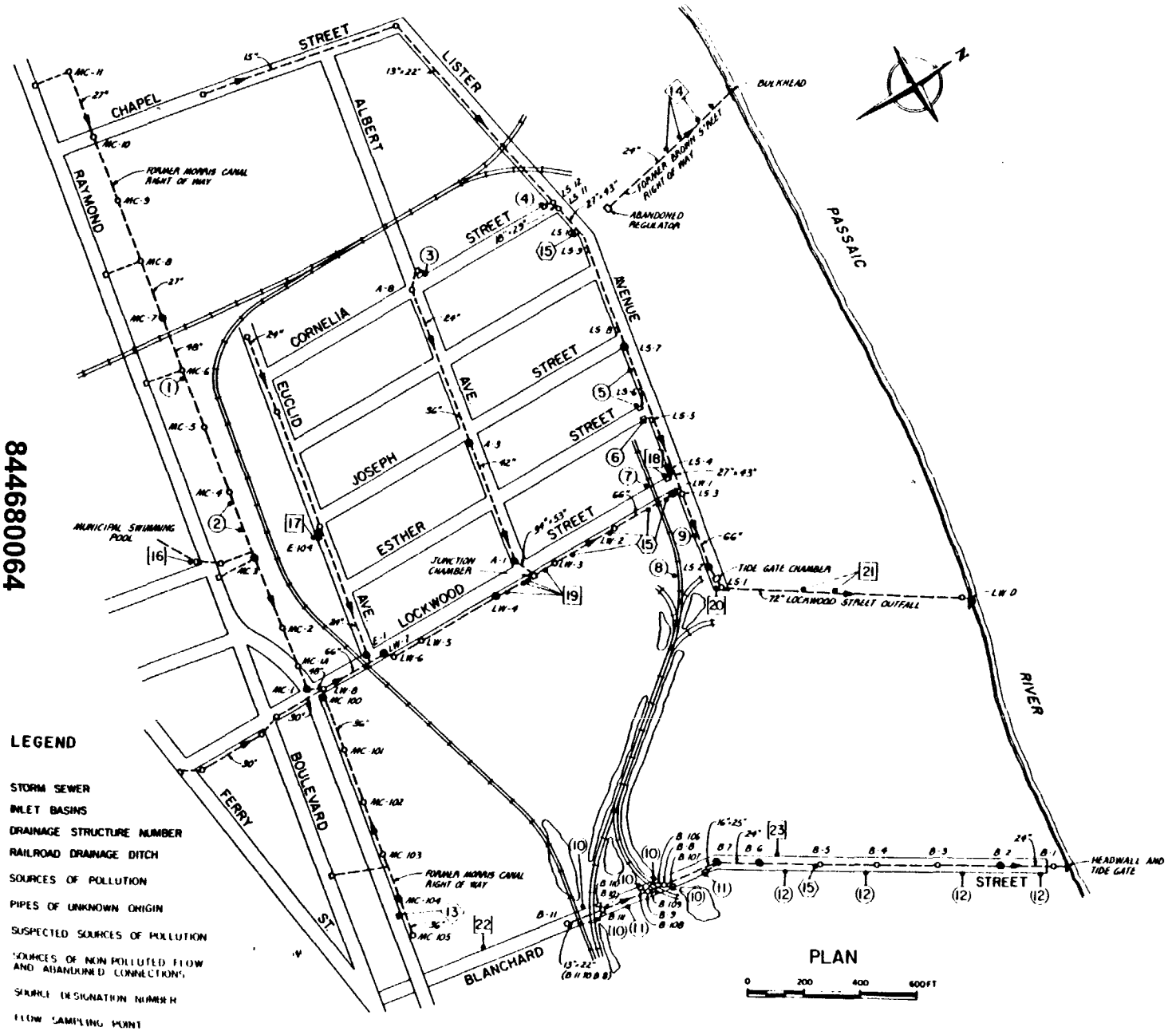
POLLUTION ABATEMENT PROGRAM



Clinton Bogert Associates
Consulting Engineers

September, 1978
Revised January, 1979

Euclid Avenue was eliminated from further study because of sampling results. The cooling water discharged at Reddaway Manufacturing was sampled at inlet E-104. The Morris Canal storm sewer west of Lockwood Street (LW-8 to MC-11) was eliminated on the basis of physical inspection, lamping and sampling. The intermittent sources of pollution at the Sunoco Car Wash and Associated Auto Body have been identified. The high levels of pollutants detected at manhole MC-1 in the May 2 sampling is attributed to these sources. Sediment downstream caused flow to pool at manhole MC-7 and remain there as the tide went out. Pollutants from downstream appear to have been carried into that manhole by the tide causing the contamination detected in the MC-7 sample on June 14. The 72-inch Lockwood Street Outfall was not televised because there was no evidence of pollutant sources in the line. The Benjamin Moore Company is the only industry adjacent to the outfall. Maps provided by the City of Newark show the roof drains from one building connected to the outfall. The Benjamin Moore laboratory is located in that building but there are no chemical process facilities. The plant engineer indicates that all other surface and roof drainage is pumped directly into the Passaic River. All other storm sewers in which flow was observed were scheduled for television inspection.



84468064

LEGEND

- STORM SEWER
- INLET BASINS
- DRAINAGE STRUCTURE NUMBER
- RAILROAD DRAINAGE DITCH
- SOURCES OF POLLUTION
- PIPES OF UNKNOWN ORIGIN
- SUSPECTED SOURCES OF POLLUTION
- SOURCES OF NON POLLUTED FLOW AND ABANDONED CONNECTIONS
- SOURCE DESIGNATION NUMBER
- FLOW SAMPLING POINT

DESIGNATION NUMBER	SOURCE DESCRIPTION
(1)	INTERMITTENT DUMPING OF PAINT INTO INLET AT ASSOCIATED AUTO BODY AND TRUCKS INC.
(2)	CAR WASH DRAINS AT SUNOCO STATION CONNECTED TO STORM SEWER.
(3)	INTERMITTENT, LOW VOLUME DISCHARGE OF OIL AND WATER ENTERING INLET FROM CELLOMER CORP.
(4)	CONTINUOUS FLOW OF ORANGE VISCOUS CHEMICALS ENTERING INLET FROM CELLOMER CORP.
(5)	CONTINUOUS FLOW OF BLACK OILY CHEMICALS ENTERING INLETS FROM B-LINE TRUCKING COMPANY.
(6)	INTERMITTENT, LOW VOLUME DISCHARGE OF OIL AND WATER ENTERING INLET FROM FISKE BROTHERS REFINING COMPANY.
(7)	INTERMITTENT DISCHARGE OF BLACK OILY CHEMICALS ENTERING INLET FROM FISKE BROTHER REFINING COMPANY RAILROAD SIDING.
(8)	CHEMICAL SPILLAGE AT ATLAS REFINERY INC. RAILROAD SIDING CONTAMINATING GROUND AND ENTERING RAILROAD DRAINAGE DITCHES DURING WET WEATHER.
(9)	RAILROAD DRAINS AND OIL SEPARATOR AT ATLAS REFINERY INC. CONNECTED TO STORM SEWER.
(10)	INTERMITTENT FLOW OF WATER AND CHEMICALS ENTERING INLETS FROM RAILROAD DRAINAGE DITCHES.
(11)	FREQUENT OVERFLOW OF SEWAGE FROM SANITARY MANHOLES ENTERING INLETS.
(12)	OCCASIONAL OVERFLOW OF SEWAGE FROM SANITARY MANHOLES ENTERING INLETS.
◇ (13)	CONTINUOUS DISCHARGE FROM NEWARK BOXBOARD COMPANY.
◇ (14)	INLETS AND DRAINS AT SHERWIN WILLIAMS COMPANY CONNECTED TO STORM SEWER.
(15)	PIPES OF UNKNOWN ORIGIN.
[16]	CONTINUOUS FLOW FROM MUNICIPAL SWIMMING POOL (SEASONAL).
[17]	CONTINUOUS FLOW OF COOLING WATER ENTERING INLET FROM REDDAMAT MANUFACTURING COMPANY.
[18]	INTERMITTENT DISCHARGE OF COOLING WATER ENTERING INLET FROM FISKE BROTHERS REFINING COMPANY.
[19]	ROOF DRAIN CONNECTIONS FROM THE MESSINGER WAREHOUSE AND TRUCKING COMPANY AND ABANDONED INLET CONNECTION.
[20]	ABANDONED RAILROAD DRAIN CONNECTED TO MANHOLE LS-1
[21]	ROOF DRAIN CONNECTIONS FROM THE BENJAMIN MOORE COMPANY.
[22]	CONTINUOUS, LOW VOLUME DISCHARGE OF COOLING WATER ENTERING GUTTER FROM NEWARK BOXBOARD COMPANY.
[23]	INTERMITTENT DISCHARGE OF GROUNDWATER ENTERING GUTTER FROM SUMP PUMP AT FAIRMOUNT CHEMICAL COMPANY.

NEWARK POLLUTION ABATEMENT FEASIBILITY STUDY

SOURCES OF POLLUTION IN STORM SEWER SYSTEMS ON BLANCHARD, LOCKWOOD AND BROWN STREETS

CLINTON BOGERT ASSOCIATES
CONSULTING ENGINEERS

PLATE 1

NEWARK TESTING LABORATORIES, Inc.

46-50 GOTTHART STREET
NEWARK, N. J. 07105

DATE 8/16/67
SHEET 1 OF 2

CLIENT — CITY OF NEWARK
SUBJECT — POLLUTION OF PASSAIC RIVER BY LOCKWOOD ST. STORM SEWER.
REPORTED TO — DIR. ANTHONY LA MORTE & MR. R. VAN RIPER

PRELIMINARY REPORT # 5

INTERNAL INSPECTION OF THE STORM SEWER ON LISTER AVENUE (BETWEEN LOCKWOOD ST. AND GATE) SEE SKETCH NO. 1) REVEALED A HEAVY DISCHARGE OF POLLUTANT INTO THE STORM SEWER THROUGH ERODED OPENINGS IN THE SEWER (NORTH SIDE) WALLS. THE OPENINGS WERE SPACED IRREGULAR OVER A DISTANCE OF 30 TO 40 FEET ALONG THE WALL; THE FIRST OPENINGS STARTING AT APPROXIMATELY 75 FEET WEST OF MANHOLE Y (SEE SKETCH). TESTS AND OBSERVATIONS INDICATE THAT THE SEWAGE FROM THE SANITARY SEWER ON LISTER AVENUE HAS CORRODED AND ERODED ITS WAY INTO THE STORM SEWER. THE TESTS AND OBSERVATIONS MADE ARE AS FOLLOWS:

(1)FLOW IN THE SANITARY SEWER (AS OBSERVED AT MANHOLE A) IS TO THE EAST - IT SHOULD BE TO THE WEST (TRUE LOW TIDE FLOW OF STORM SEWER AT THIS POINT IS TO THE EAST.

(2)MANHOLE B, SANITARY SEWER, IS CLOGGED - NO FLOW. SEWERAGE IS N FLOWING PASS THIS POINT.

(3)TEST OF PAINT SOLIDS IN SANITARY SEWER SAME AS IN STORM SEWER.

(4)DYE PLACED IN SANITARY SEWER (MANHOLE A) OBSERVED SIX MINUTES LATER AT STORM SEWER MANHOLE Y.

(5)ACTUAL OBSERVATION OF POLLUTANT AND DYE FLOWING INTO STORM SE THROUGH ERODED WALL OPENINGS.

A TEMPORARY SOLUTION OF THIS CONDITION WOULD BE TO CLEAN OUT TH LISTER AVE. SANITARY SEWER, AND, IF POSSIBLE, PROHIBIT THE DISC ING OF PAINT SOLIDS INTO THE SANITARY SEWER. THE PAINT SOLIDS, PART, ARE COMPOSED OF POLYMERS WHICH TEND, ESPECIALLY WITH SLU FLOWS, TO COALESCE AND CLOG THE SEWER. THE PAINT SOLIDS SHOULD SETTLED IN A SUMP AND ONLY THE OVER FLOW DISCHARGED INTO THE S

CONT'D.

NEWARK TESTING LABORATORIES, Inc.

46-50 GOTTHART STREET
NEWARK, N. J. 07105

DATE 8/16/67
SHEET 1 OF 1

CITY OF NEWARK - POLLUTION OF PASSAIC RIVER BY LOCKWOOD ST. STORM SEWER

THE INTERNAL INSPECTION OF THE LOCKWOOD STREET STORM SEWER, FROM EUCLID AVE. TO THE PASSAIC RIVER, HAS BEEN COMPLETED WITH THE EXCEPTION OF TWO LOCATIONS THAT REQUIRE FURTHER INVESTIGATION.

HOWEVER, BEFORE CONTINUING, IT WOULD SIMPLIFY INSPECTION IF THE ABOVE CONDITION WAS CORRECTED FIRST.

NEWARK TESTING LABORATORIES INC.

T. Regan

W. CURRY
DIR. A. LAMORTE(1)
MR. R. VAN RIPER(5)

844680067

J

844680068

May 3, 1961

City of Newark
City Hall
Newark, N.J.

Attention: Robert Van Riper

Dear Bob:

Samples taken on April 15 and 16, 1961, of the Lockwood Street Storm Sewer near the Benjamin Moore Paint Company show that a polluting material is being discharged into the Passaic River.

The Commissioners would appreciate a report from you, as to what is causing this pollution and what is being done to correct this situation.

Very truly yours,

PASSAIC VALLEY SEWERAGE COMMISSIONERS

S. A. Lubetkin,
Chief Engineer

SAL:bp

cc: Messrs. Goldberg, Andolino & Barcellona

December 5, 1962

Mr. Robert Van Riper, Div. Engr.,
Bureau of Sewers
City Hall
Newark, New Jersey

Dear Mr. Van Riper:

The matter of the continued polluting of the Commissioners' system most specifically at Blanchard Street, Brown Street and Lockwood Street Storm Sewers was again reviewed by the Commissioners at their last meeting.

I have been instructed to invite you to attend the next regularly scheduled meeting on December 12, 1962, at which time the Commissioners expect to review this matter for a last time prior to it being referred for appropriate legal action.

Very truly yours,

Thomas E. Durkin, Jr.
Counsel

TED:bp

844680070

April 4, 1963

Mr. Ralph Caprio, Dir.
Department of Public Works
City Hall
Newark, N.J.

Dear Mr. Caprio:

I have again been ordered by the Commissioners to invite your attention to the fact that the pollution, which heretofore existed at these following locations: Blanchard Street Storm Sewer, Brown Street Storm Sewer and Lockwood Street Storm Sewer, has not as yet been abated. The delay in attending to the abating of those areas of pollution is of growing concern to the Commissioners, and they request that an up-to-date report concerning any attempt at abatement be remitted at your next earliest convenience.

I have also been instructed to inquire as to the status of the hook-up between the City of Newark and the Bayonne, Barrel & Drum Company. I would appreciate it if such connection has not as yet been effected, that you give a date of estimated connection.

Very truly yours,

Thomas E. Durkin, Jr.
Counsel

TED:b

844680071

PASSAIC VALLEY SEWERAGE COMMISSIONERS
790 BROAD STREET
NEWARK, N. J. 07102

November 21, 1968

Rec'd 11/27/68

Hon. Mayor and City Council
City of Newark
City Hall
Newark, New Jersey

Gentlemen:

This is to inform you that discharges from your Blanchard Street sewer, Lockwood Street sewer, and Meadowbrook storm sewer into the Passaic River are still highly polluting. You have been informed by the Commissioners since 1962 concerning the Blanchard and Lockwood Street sewers, and since the beginning of this year concerning the Meadowbrook sewer.

The Commissioners would appreciate it very much if you would inform them at once what the City of Newark intends to do to correct these situations.

Very truly yours,

PASSAIC VALLEY SEWERAGE COMMISSIONERS

S. A. Lubetkin
Chief Engineer

SAL/kr
cc: Passaic Valley Sewerage Commrs.
Director Krusch and Robert Van Riper
Mrssrs. Andolino, Barcellona, Cuccinello, and Goldberg

K

844680073

State of New Jersey
Department of Environmental Protection and Energy
Division of Responsible Party Site Remediation
CN 028
Trenton, NJ 08625-0028

Scott A. Weiner
Commissioner

Karl J. Delaney
Director

MAR 16 1993

Prepared By David W. Paddock
David Paddock
Date March 12, 1993

IN THE MATTER OF THE	:	
D & J TRUCKING SITE	:	
AND	:	
NEWARK REDEVELOPMENT AND HOUSING AUTHORITY,	:	ADMINISTRATIVE
DOMINICK ATTANASI,	:	CONSENT
JOSEPH ATTANASI,	:	ORDER
BENJAMIN MOORE & COMPANY, INC.,	:	
SHERWIN-WILLIAMS COMPANY, INC.,	:	
Respondents	:	

This Administrative Consent Order is issued pursuant to the authority vested in the Commissioner of the New Jersey Department of Environmental Protection and Energy (hereinafter "the Department") by N.J.S.A. 13:1D-1 et seq., and the Water Pollution Control Act, N.J.S.A. 58:10A-1 et seq., the Solid Waste Management Act, N.J.S.A. 13:1E-1 et seq., and the Spill Compensation and Control Act, N.J.S.A. 58:10-23.11 et seq. and duly delegated to the Assistant Director, Division of Responsible Party Site Remediation pursuant to N.J.S.A. 13:1B-4.

FINDINGS

1. The D & J Trucking Site (hereinafter the "Site") is located at 310-336 Avenue P, Newark, Essex County, New Jersey. The Site consists of approximately 3 acres, is defined as Block 5060, Lot 149 on the tax maps of the City of Newark and is bordered generally by the Newark Police Academy to the north, Avenue P to the west, Linde Gas Company to the south and industrial property to the east. The Site is owned by the Newark Redevelopment and Housing Authority and leased to the AFA Pallet Co., Inc. for the storage of wood chip mulch. There are no buildings or industrial facilities remaining at the Site. A stormwater retention basin and a drainage ditch form the eastern and southern boundary of the Site, respectively.

2. The Newark Redevelopment and Housing Authority (hereinafter "Respondent"), a public instrumentality of the City of Newark with principal offices at 57 Sussex Avenue, Newark, New Jersey, is the owner of the Site.

3. Dominick Attanasi (hereinafter "Respondent"), a citizen of the State of New Jersey, maintains a residence at 341 Forest Drive, Union, New Jersey. Dominick Attanasi was the President of D & J Trucking & Waste Co., Inc., the former owner and operator of the Site. D & J Trucking & Waste Co., Inc. is a former New Jersey corporation which was declared void by proclamation on September 9, 1982.

4. Joseph Attanasi (hereinafter "Respondent"), a citizen of the State of New Jersey, maintains a residence at 3 Hemlock Circle, Cranford, New Jersey. Joseph Attanasi was the Secretary of D & J Trucking & Waste Co., Inc., the former owner and operator of the Site.

5. Benjamin Moore & Company, Inc. (hereinafter "Respondent"), a New Jersey corporation with principal offices located at 51 Chestnut Ridge Road, Montvale, New Jersey, used the Site for the disposal of industrial waste from its paint manufacturing operations.

6. Sherwin-Williams Company, Inc. (hereinafter "Respondent"), a Ohio corporation with principal offices located at 101 Prospect Avenue NW, Cleveland, Ohio, used the Site for the disposal of industrial waste from its paint manufacturing operations.

7. On April 9, 1974 D & J Trucking & Waste Co., Inc. (hereinafter "D & J Trucking") purchased the Site from Sun Chemical Corporation. D & J Trucking's primary business at the Site was the collection and disposal of waste material ranging from industrial waste to construction debris. D & J Trucking, and its principals Dominick and Joseph Attanasi, disposed of this waste at various locations at the Site during the period of Site operation, as indicated in the Department's enforcement records which are incorporated herein by reference.

8. On June 26, 1975 Dominick Attanasi informed the Department that the Site was owned by the Newark Redevelopment and Housing Authority, not D & J Trucking. The Department was not able to substantiate this claim, although correspondence dated January 8, 1978 between the City of Newark Department of Engineering and the Newark Fire Department indicates that the Newark Redevelopment and Housing Authority owned the property during the course of D & J Trucking's operations at the Site.

9. On January 14, 1977 Sherwin-Williams Company submitted an Industrial Waste Survey to the Department which indicated that Sherwin-Williams disposed of waste paint and waste varnish with D & J Trucking.

10. On March 22, 1977 Benjamin Moore & Company submitted an Industrial Waste Survey to the Department which indicated that Benjamin Moore & Company disposed of waste paint sludge with D & J Trucking.

11. On April 7, 1977 the Newark Police Department observed Dominick Attanasi and an employee of D & J Trucking illegally dumping the contents of

numerous 55-gallon drums into a large, unlined, pit at the Site. Dominick Attanasi stated that the liquid he was pouring into the pit was paint wastewater collected from Benjamin Moore & Company. On April 11, 1977 Mr. J. Lewczak of Benjamin Moore & Company verified that this material was paint wastewater originating from Benjamin Moore & Company.

12. On April 12, 1977 the Department conducted an inspection at the Site which indicated that the Site was being used for the disposal of construction debris. While performing this inspection the Department was informed by Joseph Attanasi, the Secretary of D & J Trucking, that the Site was used as a transfer station for industrial waste.

13. On December 27, 1977 the Department visited Sherwin-Williams Company and Benjamin Moore & Company to ascertain the type and quantity of waste being disposed of with D & J Trucking. Mr. Lawrence Berg, Plant Manager of Benjamin Moore's facility on Lister Avenue, stated that Benjamin Moore disposed of 150 55-gallon drums of waste pigments and alkyd resins with D & J Trucking every month for the past ten years. Mr. W. Soltys, Plant Controller of Sherwin Williams' facility on Lister Avenue, stated that Sherwin-Williams disposed of 250 drums of waste pigments, alkyd resins, off-spec paint and waste varnish with D & J Trucking every month.

14. On March 17, 1978 D & J Trucking & Waste Co., Inc. allegedly sold the Site to the Newark Redevelopment and Housing Authority. At the time of this alleged sale, and for years afterward, numerous 55 gallon drums and other industrial debris were apparent throughout the Site.

15. On June 26, 1990 the United States Environmental Protection Agency conducted a Site Inspection to assess the general extent of contamination at the Site. This analysis of the samples collected during this inspection indicate the following:

Soil

Contaminant	Concentration (ppm)
Arsenic	111
Chromium	259
Lead	1,750
Phenanthrene	65
Fluoranthene	99
Pyrene	55
Beta - BHC	2.3
4, 4' - DDE	2.3
Endosulfan II	2.9
PCB (Aroclor 1260)	37

Surface Water

Contaminant	Concentration (ppb)
Barium	350
Chromium	112
Lead	689
Zinc	1,330

Acetone	54
Xylene(s)	25
Bis (2-ethylhexyl) phthalate	38
Beta - BHC	1.2
Endosulfan II	.26
4, 4' - DDE	.72

Sediment

Contaminant	Concentration (ppb)
Barium	304
Chromium	236
Copper	613
Lead	863
Zinc	2,930
Toluene	120
Ethylbenzene	4,000
Xylene(s)	12,000
1, 2 - Dichlorobenzene	2,500
Napthalene	4,400
Fluoranthene	2,100
Bis (2-ethylhexyl) phthalate	24,000
Endosulfan II	58
4, 4' - DDD	1,600
gamma- Chlordane	440

16. By entering this Administrative Consent Order, Respondents do not admit to any fact, fault or liability under any statute or regulation concerning the condition of the Site.

17. All of the Department's files concerning the Site are incorporated herein and made a part hereof.

18. The Department intends that the scope of the investigation and cleanup required by this Administrative Consent Order will include all contaminants at the above referenced Site, and all contaminants which are emanating from or which have emanated from the Site.

ORDER

I. Reimbursement of Prior Costs

19. Within thirty (30) calendar days after receipt of a written summary of the Department's costs incurred to the effective date of this Administrative Consent Order, Respondents shall submit payment to the Department for these costs, incurred in connection with the investigation of, and response to, the matters described in the Findings hereinabove, including the costs associated with the preparation of this Administrative Consent Order. Respondents shall make payment of the above amount by a cashier's or certified check payable to the

"Treasurer, State of New Jersey" and such payment shall be submitted with DEPE Form 062A.

II. Remedial Investigation and Action Requirements

20. Within forty-five (45) calendar days after the effective date of this Administrative Consent Order, Respondents shall submit to the Department a detailed Remedial Investigation Work Plan (hereinafter "RI Work Plan") in accordance with the Department's prevailing technical standards.

21. Within ninety (90) days after receipt of the Department's written approval of the RI Work Plan, Respondents shall implement and submit the results of the RI Work Plan in accordance with the Department's prevailing technical standards, along with one of the following:

(a) A proposed no action alternative;

(b) A proposed remedial action; or

(c) A supplemental RI Work Plan.

22. Upon the Department's approval of a no action alternative submitted pursuant to Paragraph 21 above, no further action shall be required as specifically stated in the Department's approval.

23. Upon receipt of the Department's written approval of a remedial action plan, Respondents shall implement any Department-approved remedial action in accordance with the approved schedule.

24. If the Department approves a supplemental RI Work Plan pursuant to Paragraph 21 above, Respondents shall perform the additional work pursuant to Paragraph 21 above.

25. If the Department determines that any submittal made under this section is inadequate or incomplete, then the Department shall provide the Respondents with written notification of the deficiency(ies), and the Respondents shall revise and resubmit the required information within a reasonable period of time not to exceed thirty (30) days from receipt of such notification.

26. During the time this Administrative Consent Order is in effect, if the Department determines that additional remedial activities are required, Respondents shall conduct additional remedial activities as required by the Department in writing and submit a supplemental work plan.

III. Feasibility Study

27. If required by the Department, Respondents shall submit to the Department a Feasibility Study Report (hereinafter "FS Report") in accordance with the Department's prevailing technical standards.

IV. Permit Application Process for Remedial Activities

28. Within thirty (30) calendar days after receipt of the Department's written notification regarding the Department's selection of the remedial action, Respondents shall submit to the Department a detailed draft permit application submission schedule in accordance with the Department's prevailing technical standards for all relevant federal, State and local permit applications, certifications or modifications necessary to implement the selected remedial action.

29. Upon receipt of the Department's written approval of the permit application schedule, Respondents shall carry out the permit application process in accordance with the approved schedule.

30. This Administrative Consent Order shall not be construed to be a permit or in lieu of a permit for any activities which require permits and it shall not relieve Respondents from obtaining and complying with all applicable federal, State and local permits necessary for any activities which Respondents must perform in order to carry out the obligations of this Administrative Consent Order.

31. Respondents shall submit complete applications for all federal, State and local permits or permit modifications required to carry out the obligations of this Administrative Consent Order in accordance with the approved schedules.

32. Within thirty (30) calendar days after Respondents' receipt of written comments from the permitting agency concerning any permit application to a federal, State, or local agency, or within a time period extended in writing by the Department, Respondents shall modify the permit application to conform to the permitting agency's comments and resubmit the permit application to the agency. The determination as to whether or not the permit application, as resubmitted, conforms with the agency's comments or is otherwise acceptable to the agency shall be made solely by the agency.

33. The terms and conditions of any federal, State or local permit or permit modification issued to Respondents shall not be preempted by the terms and conditions of this Administrative Consent Order even if the terms and conditions of any such permit or permit modification are more stringent than the terms and conditions of this Administrative Consent Order.

34. To the extent that the terms and conditions of any federal, State or local permit or permit modification are substantially equivalent to the terms and conditions of this Administrative Consent Order, Respondents waive any rights they may have to contest such terms and conditions of any such permit.

V. Progress Reports

35. If requested by the Department, Respondents shall submit quarterly progress reports to the Department in accordance with the next Paragraph. Respondents shall submit the first progress report on or before the last calendar day of the fourth calendar month following the effective date of this Administrative Consent Order. Respondents shall submit a progress report

thereafter on or before the last calendar day of the month following the next three calendar months being reported.

36. Respondents shall detail the status of Respondents' compliance with this Administrative Consent Order in each progress report and shall include the following:

i. Identification of the contaminated site and a reference to this Administrative Consent Order, including signatory parties and effective date;

ii. Identification of specific requirements of this Administrative Consent Order, including the corresponding Paragraph number and schedule, which were initiated during the reporting period;

iii. Identification of specific requirements of this Administrative Consent Order, including the corresponding Paragraph number and schedule, which were initiated in a previous reporting period, which are still in progress and which will continue to be carried out during the next reporting period;

iv. Identification of specific requirements of this Administrative Consent Order, including the corresponding Paragraph number and schedule, which were completed during this reporting period;

v. Identification of specific requirements of this Administrative Consent Order, including the corresponding Paragraph numbers and schedule, which were scheduled to have been completed during the reporting period and were not;

vi. An explanation of each specific requirement of this Administrative Consent Order not met, including actions taken or to be taken to address each such requirement;

vii. Identification of the specific requirements of this Administrative Consent Order, including the corresponding Paragraph number and schedule, that will be initiated during the next reporting period; and,

viii. All data generated during the reporting period which indicate that conditions at the contaminated Site exceed federal, state or local human health based standards or criteria, or in the absence thereof, any data which indicate potential human health concerns; and

ix. All reports and other information required pursuant to any work plan or report the Department approves pursuant to this Administrative Consent Order.

VI. Project Coordination

37. Respondents shall submit to the Department all documents required by this Administrative Consent Order, including correspondence relating to force majeure issues, by delivery with an acknowledgement of receipt from the Department. The date that the Department executes the acknowledgement will be the date the Department uses to determine Respondents' compliance with the

requirements of this Administrative Consent Order and the applicability of stipulated penalties and any other remedies available to the Department.

38. Within seven (7) calendar days after the effective date of this Administrative Consent Order, Respondents shall submit to the Department the name, title, address and telephone number of the individual who shall be Respondents' technical contact for the Department for all matters concerning this Administrative Consent Order and Respondents shall designate an agent for the purpose of service for all matters concerning this Administrative Consent Order and shall provide the Department with the agent's name and address.

39. Unless otherwise directed in writing by the Department, Respondents shall submit all payments and four (4) copies of all documents required by this Administrative Consent Order to the individual identified below, who shall be the Department's contact for Respondents for all matters concerning this Administrative Consent Order:

New Jersey Department of Environmental Protection and Energy
Division of Responsible Party Site Remediation
Responsible Party Cleanup Element
401 East State Street, 5th floor
CN 028
Trenton, New Jersey 08625
Attention: Section Chief

40. Respondents shall notify, both verbally and in writing, the contact person listed above at least fourteen (14) calendar days prior to the initiation of any field activities.

VII. Financial Assurances and Project Cost Review

41. Within five (5) calendar days after the effective date of this Administrative Consent Order, Respondents shall obtain and provide to the Department financial assurance in a form acceptable to the Department in the amount of $500,000. The financial assurance shall conform with the requirements of this Administrative Consent Order.

42. Respondents shall select a financial institution or surety, and a trustee, that shall agree in writing to be subject to the jurisdiction of New Jersey courts for all claims made by the Department against the financial assurance. Within fourteen (14) calendar days after the effective date of this Administrative Consent Order, Respondents shall submit the written agreement with such financial institution or surety and the trustee to the Department with the financial assurance.

43. The financial assurance shall meet the following requirements:

(a) Irrevocable letter of credit:

i. The wording of the irrevocable letter of credit shall be identical to the wording specified in Appendix A;

ii. The irrevocable letter of credit shall be issued by a New Jersey State or federally chartered bank, savings bank, or savings and loan association, which, unless otherwise approved by the Department in writing, has its principal office in New Jersey; and,

iii. The irrevocable letter of credit shall be accompanied by a letter from Respondents referring to the irrevocable letter of credit by number, issuing institution and date and providing the following information: the name and address of the Site which is the subject of the Administrative Consent Order and the amount of funds securing the Respondents' performance of all obligations under the Administrative Consent Order.

iv. The irrevocable letter of credit shall be accompanied by an irrevocable standby trust fund which wording shall be identical to the wording specified in Appendix B.

v. The irrevocable standby trust fund may, at the discretion of the Department, be the depository for all funds paid pursuant to a draft by the Department against the letter of credit.

(b) Surety bond:

i. The wording of the surety bond shall be identical to the wording specified in Appendix D;

ii. The surety company issuing the surety bond shall be among those listed as acceptable sureties on Federal bonds in the most recent version of Circular 570 issued by the U.S. Department of the Treasury, which is published annually on July 1 in the Federal Register; and

iii. The surety bond shall be accompanied by a letter from Respondents referring to the surety bond by number, issuing institution and date and providing the following information: the name and address of the Site which is the subject of the Administrative Consent Order and the amount of funds securing Respondents' performance of all its obligations under the Administrative Consent Order.

iv. The surety bond shall be accompanied by an irrevocable standby trust fund which wording shall be identical to the wording specified in Appendix B.

v. The irrevocable standby trust fund may, at the discretion of the Department, be the depository for all funds paid pursuant to a draft by the Department against the surety bond.

(c) Fully funded trust:

i. The wording of the fully funded trust shall be identical to the wording specified in Appendix C.

ii. The trustee shall be an entity which has the authority to act as a trustee and whose trust operations are regulated and examined by a Federal or New

Jersey agency. The trustee shall agree to be subject to the jurisdiction of New Jersey courts.

iii. An executed certification of acknowledgement that is identical to the wording specified in Appendix B shall be submitted to the Department with the fully funded trust and the irrevocable standby trust.

44. In the event that the Department determines that Respondents have failed to perform any of the obligations under this Administrative Consent Order, the Department may proceed to draw on that amount of the financial assurance necessary to complete the performance of the obligation; provided, however, that before the Department takes this action, the Department shall notify Respondents in writing of the obligation(s) which they have not performed, and shall have thirty (30) calendar days after receipt of such notice, unless extended in writing by the Department, to remedy the failure to perform such obligation. Notwithstanding any other provisions of this Administrative Consent Order, Respondents reserves their right, if any, to commence an action seeking judicial review of the Department's draw-down or expenditure of the financial assurance at any time after such draw-down has occurred. During the pendency of such an action, Respondents will not seek to enjoin the Department from the drawing down of funds or the expenditure of funds drawn down pursuant to this provision. Penalties assessed for violations of this Administrative Consent Order shall not be drawn against the financial assurance.

45. At any time, Respondents may apply to the Department to substitute other financial assurances as specified by this subchapter, in a form, and manner acceptable to the Department.

46. Upon the Department approval of a remedial action, the Respondents shall amend the amount of the financial assurance, specified in Paragraph 41 above, to equal the estimated cost of implementation of the approved remedial action, or shall provide such other financial assurance as may be approved by the Department in an amount equal to the estimated cost of implementation of the approved remedial action.

47. The Respondents shall comply with the following project cost reviews requirements:

(a) Beginning three hundred sixty-five (365) calendar days after the effective date of this Administrative Consent Order, and annually thereafter on the same calendar day, the Respondents shall submit to the Department a detailed review of all costs required for the Respondents compliance with this Administrative Consent Order, including:

i. A detailed summary of all monies spent to date pursuant to this Administrative Consent Order;

ii. The estimated cost of all future expenditures required to comply with this Administrative Consent Order, including any operation, maintenance and monitoring costs; and

iii. The reason for any changes from the previously submitted cost review.

(b) At any time after the Respondents submit the first cost review pursuant to the preceding Paragraph, the Respondents may request the Department's approval to reduce the amount of the financial assurance to reflect the remaining costs of performing the obligations under this Administrative Consent Order. If the Department grants written approval of such a request, the Respondents may amend the amount of the then existing financial assurance consistent with that approval.

(c) If the estimated costs of meeting the Respondents obligations in this Administrative Consent Order at any time increase to an amount greater than the financial assurance, the Respondents shall:

i. Within thirty (30) calendar days after receipt of written notice of the Department's determination, increase the amount of the then existing financial assurance or provide additional financial assurance to an amount equal to the Department's approved estimated cost; and

ii. Upon notification from the Department pursuant to Paragraph 93 that the obligations of the Administrative Consent Order have been satisfied, the Respondents shall be relieved of any further obligation to maintain in full force and effect the financial assurance required by this Administrative Consent Order for the Site which is the subject of this Administrative Consent Order. Upon the Department's written approval of the completion of any cleanup required by this Administrative Consent Order, as verified by final Site inspection and upon the Respondents' satisfaction of all financial obligations in connection therewith, the Respondents shall be relieved of any further obligation to maintain in full force and effect the financial assurance required by this Administrative Consent Order for the facility at which the approved cleanup has been completed.

VIII. Oversight Cost Reimbursement

48. Within thirty (30) calendar days after receipt from the Department of a summary, of the Department's costs, including all accrued interest incurred pursuant to paragraph 49 below, Respondents shall submit to the Department a cashier's or certified check payable to the "Treasurer, State of New Jersey" and submitted with DEPE Form 062A, for the full amount of the Department's oversight costs, for the period being charged.

49. Interest shall accrue on the unpaid balance of oversight costs, beginning at the end of the thirty (30) calendar day period established in the preceding Paragraph, at the rate established by Rule 4:42 of the current edition of the Rules Governing the Courts of the State of New Jersey.

IX. Stipulated Penalties

50. Respondents agrees to pay stipulated penalties to the Department for Respondents' failure to comply with any of the deadlines, schedules or requirements of this Administrative Consent Order including those established and approved by the Department in writing pursuant to this Administrative Consent Order. Each day of violation for each deadline, schedule or requirement not

complied with shall be an additional, separate and distinct violation. Nothing herein shall prevent the simultaneous accrual of separate penalties for separate violations of this Administrative Consent Order. Each signatory to this Administrative Consent Order shall be jointly and severally liable for stipulated penalties for violations of this Administrative Consent Order which result in the Department's issuance of a demand for stipulated penalties.

51. Stipulated penalties shall begin to accrue on the first calendar day after the performance is due or noncompliance occurs and not at the time the Department gives notice of the violation or non-compliance to Respondents or issues a written demand for stipulated penalties. Stipulated penalties shall then continue to accrue through the final day of correction of the non-compliance. The Department may determine that a submittal of insufficient quality constitutes non-compliance and one or more violations of this Administrative Consent Order. Stipulated penalties for such violations shall accrue from the date Respondents made the submission for sixty (60) calendar days, unless the Department provides Respondents with written notice that stipulated penalties for such violations continue to accrue beyond that sixty (60) day period. In which case stipulated penalties will continue to accrue until Respondents corrects the non-compliance.

52. Respondents' payment of stipulated penalties for Respondents' failure to comply with the deadlines, schedules and requirements associated with the major deliverables and tasks required by this Administrative Consent Order, as identified below, shall be made according to this Paragraph:

(a) Major violations include Respondents' failure, according to the schedules in the Administrative Consent Order, to:

i. Submit any remedial investigation workplans;

ii. Submit any remedial action workplans;

iii. Implement any approved remedial investigation workplan;

iv. Implement any approved remedial action workplan;

v. Implement any approved interim response actions;

vi. Submit permit applications;

vii. Satisfy any financial assurance requirement;

viii. Failure to allow the Department or its authorized agents access to the Site; and

ix. Implementation and recording of permanent use and/or access restrictions.

x. Reimbursement of oversight costs, including prior costs; and

xi. Submit payment of penalty or damage payments.

(b) Respondents agree to pay stipulated penalties for the major violations, identified in (a) above, up to the following amounts as determined by the Department:

Calendar Days After Due Date	Stipulated Penalties per Calendar Day
1 - 14	$ 1,000
15 - 29	$ 2,500
30 - 44	$ 5,000
45 - 59	$ 10,000
60 - over	$ 25,000

(c) Respondents agree to pay stipulated penalties for all other violations, not identified in (a) above, up to the following amounts as determined by the Department:

Calendar Days After Due Date	Stipulated Penalties per Calendar Day
1 - 14	$ 200
15 - 29	$ 500
30 - 44	$ 1,000
45 - 59	$ 5,000
60 - over	$ 10,000

53. Stipulated penalties shall be due and payable thirty (30) calendar days after Respondents' receipt of a written demand by the Department. Respondents shall make payment of stipulated penalties by a cashier's or certified check payable to the "Treasurer, State of New Jersey" submitted with DEPE Form 062A, and shall be accompanied by a letter referencing this Administrative Consent Order and the Department's written demand for stipulated penalties.

54. Respondents shall regard payments of stipulated penalties pursuant to this Administrative Consent Order as payments of civil or civil administrative penalties.

55. The payment of stipulated penalties does not alter Respondents' responsibility to complete any requirement of this Administrative Consent Order.

56. If Respondents fail to pay stipulated penalties pursuant to this section, the Department may take additional enforcement action, including without limitation, instituting civil proceedings to collect such penalties or assessing civil administrative penalties.

X. Reservation of Rights

57. The Department reserves the right to unilaterally terminate this Administrative Consent Order in the event Respondents violate the terms or fail to meet the obligations of this Administrative Consent Order.

58. Nothing in this Administrative Consent Order shall preclude the Department from seeking civil or civil administrative penalties, costs and damages or any other legal or equitable relief against Respondents for matters not set forth in the Findings of this Administrative Consent Order. The Department reserves the right to conduct any remediation itself at any time.

59. Nothing in this Administrative Consent Order, including the Department's assessment of stipulated penalties, shall preclude the Department from seeking civil or civil administrative penalties or any other legal or equitable relief against Respondents for violations of this Administrative Consent Order. In any such action brought by the Department under this Administrative Consent Order for injunctive relief, civil, or civil administrative penalties or collection of stipulated penalties, Respondents may raise, among other defenses, a defense that Respondents failed to comply with a decision of the Department, made pursuant to this Administrative Consent Order, on the basis that the Department's decision was arbitrary, capricious or unreasonable. If Respondents are successful in establishing such a defense based on the administrative record, Respondents shall not be liable for penalties for failure to comply with that particular requirement of the Administrative Consent Order. Similarly, in the event that Respondents prevail in any proceeding in which Respondents allege that the Department acted arbitrarily, capriciously, or unreasonably in exercising its right under to draw on the financial assurance, the Department will refund, to the account of the financial assurance the amount of the funds so drawn. Although Respondents may raise such defenses in any action initiated by the Department for injunctive relief or stipulated penalties, Respondents hereby agree not to otherwise seek review of any decision made or to be made by the Department pursuant to this Administrative Consent Order and under no circumstances shall Respondents initiate any action or proceeding challenging any decision made or to be made by the Department pursuant to this Administrative Consent Order.

60. This Administrative Consent Order shall not be construed to affect or waive the claims of federal or State natural resources trustees against Respondents for damages for injury to, destruction of, or loss of natural resources, unless expressly provided herein, and then only to the extent expressly provided herein.

61. The Department reserves the right to require Respondents to take or arrange for the taking of any and all additional measures if the Department determines that such actions are necessary to protect human health or the environment.

62. Notwithstanding any other provision of this Administrative Consent Order, Respondents reserves its right to challenge, as a contested case pursuant to N.J.S.A. 52:14B-1 et seq., that the Department's draw on the financial assurance provided pursuant to this Administrative Consent Order was arbitrary, capricious or unreasonable; Respondents agree, however, not to initiate any such challenge until after the Department has corrected or implemented the requirement of this Administrative Consent Order which was the focus of the Department's draw. The Department reserves its right to contest any such action.

XI. Force Majeure

63. If any event specified in the following Paragraph occurs which Respondents believe or should believe will or may cause delay in the compliance or cause non-compliance with any provision of this Administrative Consent Order, Respondents shall notify the Department in writing within seven (7) calendar days of the start of delay or knowledge of the anticipated delay, as appropriate, referencing this Paragraph and describing the anticipated length of the delay, the precise cause or causes of the delay, any measures taken or to be taken to minimize the delay, and the time required to take any such measures to minimize the delay. Respondents shall take all necessary action to prevent or minimize any such delay.

64. The Department will extend in writing the time for performance for a period no longer than the delay resulting from such circumstances as determined by the Department only if:

(a) Respondents have complied with the notice requirements of the preceding Paragraph;

(b) Any delay or anticipated delay has been or will be caused by fire, flood, riot, strike or other circumstances beyond the control of Respondents; and

(c) Respondents have taken all necessary action to prevent or minimize any such delay.

65. The burden of proving that any delay is caused by circumstances beyond the control of Respondents and the length of any such delay attributable to those circumstances shall rest with Respondents.

66. "Force Majeure" shall not include the following:

(a) Delay in an interim requirement with respect to the attainment of subsequent requirements;

(b) Increases in the cost or expenses incurred by Respondents in fulfilling the requirements of this Administrative Consent Order;

(c) Contractor's breach, unless Respondents demonstrate that such breach falls within Paragraph 64, above; and

(d) Failure to obtain access required to implement this Administrative Consent Order, unless denied by a court of competent jurisdiction.

XII. General Provisions

67. Respondents shall, in addition to any other obligation required by law, notify the Department contact identified in Paragraph 39 immediately upon knowledge of any condition posing an immediate threat to human health and the environment. The Department reserves the right to stop any construction, improvement(s), or change(s) at the Site subject to this Administrative Consent

Order, due to the presence of hazardous substances or wastes, the disturbance of which, prior to implementation of the Department-approved remedial action, has the potential to cause a threat to human health and the environment as determined by the Department.

68. In the event that the Department determines that a meeting concerning the remediation of the Site is necessary at any time, Respondents shall ensure that the Respondents' appropriate representatives are prepared and available for, and participate in such a meeting upon written notification from the Department of the date, time and place of such meeting.

69. In addition to the Department's statutory and regulatory rights to enter and inspect, the Newark Redevelopment and Housing Authority shall allow the Department and its authorized representatives access to the Site at all times for the purpose of monitoring Respondents' compliance with this Administrative Consent Order and/or to perform any remedial activities Respondents fail to perform as required by this Administrative Consent Order.

70. Respondents shall not construe any informal advice, guidance, suggestions, or comments by the Department, or by persons acting on behalf of the Department, as relieving Respondents of their obligation to obtain written approvals as required herein.

71. Respondents shall perform all work conducted pursuant to this Administrative Consent Order in accordance with prevailing professional standards.

72. Respondents shall provide a copy of this Administrative Consent Order to each contractor and subcontractor retained to perform the work required by this Administrative Consent Order and shall condition all contracts and subcontracts entered for the performance of such work upon compliance with the terms and conditions of this Administrative Consent Order. Respondents shall be responsible to the Department for ensuring that its contractors and subcontractors perform the work herein in accordance with this Administrative Consent Order.

73. Respondents shall conform all actions required by this Administrative Consent Order with all applicable federal, state and local laws and regulations.

74. Nothing in this Administrative Consent Order shall relieve Respondents from complying with all other applicable laws and regulations. Compliance with the terms of this Administrative Consent Order shall not excuse the Respondents from obtaining and complying with any applicable federal, state or local permits, statutes, regulations and/or orders while carrying out the obligations imposed by this Administrative Consent Order. This Administrative Consent Order shall not preclude the Department from requiring that the Respondents obtain and comply with any permits, and/or orders issued by the Department under the authority of the Water Pollution Control Act, N.J.S.A. 58:10A-1 et seq., the Solid Waste Management Act, N.J.S.A. 13:1E-1 et seq., and the Spill Compensation and Control Act, N.J.S.A. 58:10-23.11 et seq., for the matters covered herein. Should any of the measures to be taken by the Respondents during the remediation of any ground water and surface water

pollution result in a new or modified discharge as defined in the New Jersey Pollutant Discharge Elimination System ("NJPDES") regulations, N.J.A.C. 7:14A-1 et seq., then the Respondents shall obtain a NJPDES permit or permit modification from the Department prior to commencement of the activity.

75. All work plans and documents required by this Administrative Consent Order and approved in writing by the Department are incorporated herein and made a part hereof.

76. Respondents shall preserve all potential evidentiary documentation found at the Site until written approval is received from the Department to do otherwise, including without limitation, documents, labels, drums, bottles, boxes or other containers, and/or other physical materials that could lead to the establishment of the identity of any person which generated, treated, transported, stored or disposed of contaminants at the Site.

77. Upon the receipt of a written request from the Department, Respondents shall submit to the Department all data and information, including technical records and contractual documents, concerning contamination at the Site, including raw sampling and monitor data, whether or not such data and information, including technical records and contractual documents, was developed pursuant to this Administrative Consent Order.

78. Obligations and penalties of this Administrative Consent Order are imposed pursuant to the police powers of the State of New Jersey for the enforcement of law and the protection of the human health, safety and welfare and are not intended to constitute debt or debts which may be limited or discharged in a bankruptcy proceeding. No obligations imposed by this Administrative Consent Order are intended to constitute a debt, claim, penalty or other civil action which could be limited or discharged in a bankruptcy proceeding.

79. Respondents hereby consent to and agree to comply with this Administrative Consent Order which shall be fully enforceable as an Administrative Order in the New Jersey Superior Court pursuant to the Department's statutory authority.

80. No modification or waiver of this Administrative Consent Order shall be valid except by written amendment to this Administrative Consent Order duly executed by Respondents and the Department. Any amendment to this Administrative Consent Order shall be executed by the Department and all Respondents. The Department reserves the right to require the resolution of any outstanding violations of the rules or this Administrative Consent Order prior to executing any such amendment.

81. Respondents waive their right to an administrative hearing concerning the entry of this Administrative Consent Order.

82. This Administrative Consent Order shall be governed and interpreted under the laws of the State of New Jersey.

83. If any provision of this Administrative Consent Order or the application thereof to any person or circumstance shall, to any extent, be

invalid or unenforceable, the remainder of this Administrative Consent Order or the application of such provision to persons or circumstances other than those as to which it is held invalid or unenforceable, shall not be affected thereby and each provision of this Administrative Consent Order shall be valid and enforced to the fullest extent permitted by law.

84. This Administrative Consent Order represents the entire integrated agreement between the Department and Respondents and supersedes all prior negotiations, representations or agreements, either written or oral, unless otherwise specifically provided herein.

85. Within thirty (30) calendar days after the effective date of this Administrative Consent Order, Respondents shall record a copy of this Administrative Consent Order with the County Clerk, Essex County, State of New Jersey and shall provide the Department with written verification of compliance with this Paragraph which shall include a copy of this Administrative Consent Order stamped "Filed" by the County Clerk.

86. Any officer or management official of the Respondents who knowingly direct or authorize the violation of any provision of this Administrative Consent Order shall be personally liable for the penalty established pursuant to the Solid Waste Management Act, the Spill Act and the Water Pollution Control Act.

87. The Site or any portion thereof may be freely alienated provided that Newark Redevelopment and Housing Authority complies with the requirements in this Paragraph and all other applicable law.

(a) At least ninety (90) calendar days prior to the date of such alienation, the Newark Redevelopment and Housing Authority shall notify the Department in writing of the proposed alienation, the name of the grantee, the extent of the alienation, and a description of the grantor's continuing obligations, if any, which grantee has agreed to perform.

(b) At least ninety (90) calendar days prior to transfer of ownership of the Site, or a portion thereof, which is the subject of this Administrative Consent Order, the Newark Redevelopment and Housing Authority shall notify the transferee of the existence of this Administrative Consent Order and shall simultaneously verify to the Department that such notice has been given.

(c) Any contract to alienate the Site shall require the grantee to allow the implementation and continuation of all activities and obligations pursuant to this Administrative Consent Order and to allow Respondents, the Department and its authorized representatives access to the Site for purposes of such activities and obligations. Any alienation shall not affect Respondents' obligations under this Administrative Consent Order.

(d) The Newark Redevelopment and Housing Authority shall include in any instrument of conveyance, including but not limited to a deed, title, lease, easement or license for the Site a written notice that the Site is the subject of this Administrative Consent Order. Any such instrument of conveyance shall be subject to the requirements set forth in this Administrative Consent Order regarding the use of the Site and deed restrictions.

88. This Administrative Consent Order shall be binding, jointly and severally, on each signatory, its successors, assignees and any trustee in bankruptcy or receiver appointed pursuant to a proceeding in law or equity. No change in the ownership or corporate status of any signatory or of the facility or Site shall alter signatory's responsibilities under this Administrative Consent Order.

89. Respondents shall preserve, during the pendency of this Administrative Consent Order and for a minimum of ten (10) years after its termination, all data and information, including technical records, potential evidentiary documentation and contractual documents, in its possession or in the possession of their divisions, employees, agents, accountants, contractors, or attorneys which relate in any way to the contamination at the Site, despite any document retention policy to the contrary. After this ten year period, Respondents may make a written request to the Department to discard any such documents. Such a request shall be accompanied by a description of the documents involved, including the name of each document, date, name and title of the sender and receiver and a statement of contents. Upon receipt of written approval by the Department, Respondents may discard only those documents that the Department does not require to be preserved for a longer period. Upon receipt of a written request by the Department, Respondents shall submit to the Department all data and information, including technical records and contractual documents or copies of the same. Respondents reserve whatever rights they may have, if any, to assert any privileges or a privilege regarding such data or information, however, Respondents agree not to assert confidentiality claims with respect to any data related to Site conditions, sampling, or monitoring.

90. Respondents agree not to contest the authority or jurisdiction of the Department to issue this Administrative Consent Order; Respondents further agree not to contest the terms or conditions of this Administrative Consent Order except as to interpretation or application of such specific terms and conditions that are being enforced in any action brought by the Department to enforce the provisions of this Administrative Consent Order. Respondents reserve all of their rights pursuant to the Spill Act concerning the Department's selection of any remedial action pursuant to this Administrative Consent Order.

91. Respondents shall provide to the Department written notice of the dissolution of its corporate or partnership identity, the liquidation of the majority of its assets or the closure, termination or transfer of operations at least thirty (30) calendar days prior to such action. Upon such notice, Respondents shall submit a cost review pursuant to Paragraph 47 to the Department. Respondents shall also provide written notice to the Department of a filing of a petition for bankruptcy no later than the first business day after such filing. These requirements shall be in addition to any other statutory requirements arising from the dissolution of corporate or partnership identity, the liquidation of the majority of assets, or the closure, termination or transfer of operations. Upon receipt of notice of dissolution of corporate identity, liquidation of assets or filing of a petition for bankruptcy, the Department may request and, within fourteen (14) days of the Department's written request, the Respondents shall obtain and submit to the Department additional financial assurance pursuant to this Administrative Consent Order.

92. Respondents shall not make any use of the Site or take any actions at the Site inconsistent with this Administrative Consent Order. The Newark Redevelopment and Housing Authority shall impose such use and/or access restrictions as may be deemed necessary by the Department. The use and access restrictions are to run with the land and be for the benefit of and enforceable by the Department and any citizen which is or may be damaged as a result of violations of the use and access restrictions. The use and access restrictions shall provide actual and constructive notice to any subsequent grantee of the locations and concentrations of all contaminants which remain at the Site and of the use and access restrictions imposed. Within thirty (30) calendar days after Respondents' receipt of a written request from the Department, Respondents shall record the restrictions with the County Clerk, Essex County, State of New Jersey, and provide the Department with a copy of this Administrative Consent Order stamped "Filed" by the County Clerk.

93. Except as otherwise provided, the requirements of this Administrative Consent Order shall be deemed satisfied upon the receipt by Respondents of written notice from the Department that Respondents have demonstrated, to the satisfaction of the Department, that Respondents have completed the substantive and financial obligations imposed by this Administrative Consent Order. Such written notice shall not relieve Respondents from the obligation to conduct future investigation or remediation activities pursuant to federal, state or local laws for matters not addressed by this Administrative Consent Order. Furthermore, such written notice shall not terminate the obligations and requirements set forth in the preceding six (6) Paragraphs.

94. Except as otherwise set forth herein, by the execution of this Administrative Consent Order the Department does not release Respondents from any liabilities or obligations any person may have pursuant to any other authority, nor does the Department waive any of its rights or remedies pursuant thereto.

95. Respondents shall submit to the Department, along with the executed original Administrative Consent Order, documentary evidence in the form of a corporate resolution, that the signatories have the authority to bind Respondents to the terms of this Administrative Consent Order.

96. The Department will consider a request for an extension of time to perform any requirement under this Administrative Consent Order, provided that any extension request is submitted to the Department two weeks prior to any applicable deadline to which the extension request refers.

97. Respondents expressly agree that in the event that any Respondent fails or refuses to perform any obligation(s) under this Administrative Consent Order as determined by the Department, the Department shall have the right to exercise any option or combination of options available to the Department under this Administrative Consent Order, or any other statute.

98. This Administrative Consent Order shall be effective upon the execution of this Administrative Consent Order by the Department and the Respondents. The Respondents shall return a fully executed Administrative Consent Order to the Department together with the financial assurance required by Paragraph 41 above, and signature authorization required by Paragraph 95 above within five (5) business days from the effective date.

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION AND ENERGY

Date_____ BY:_____
Ronald T. Corcory, Assistant Director
Responsible Party Cleanup Element

NEWARK REDEVELOPMENT AND HOUSING AUTHORITY

Date_____ BY:_____
Signature

_____
Print Full Name Signed Above

_____
Title

DOMINICK ATTANASI

Date_____ By:_____
Signature

_____
Print Full Name Signed Above

_____
Title

JOSEPH ATTANASI

Date_____ BY:_____
Signature

_____
Print Full Name Signed Above

_____
Title

BENJAMIN MOORE & COMPANY, INC.

Date_____ BY:_____
Signature

_____
Print Full Name Signed Above

_____
Title

SHERWIN-WILLIAMS COMPANY, INC.

Date_____ By:_____
Signature

_____
Print Full Name Signed Above

_____
Title

DEPARTMENT CERTIFICATION

I swear that on the _____ day of _____ and in my presence _____ did affix his/her signature to this Administrative Consent Order.

_____
Signature of Notary/Seal

LIST OF APPENDICES

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844680098

JUN 22 1990

State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF HAZARDOUS WASTE MANAGEMENT
CN 028
Trenton, N.J. 08625-0028
(609) 633-1408
Fax # (609) 633-1454

M E M O R A N D U M

TO: Debbie Pinto, Acting Chief
Bureau of Planning and Assessment

FROM: Bruce Venner, Chief
Bureau of Compliance and Technical Services

SUBJECT: Responsible Party Investigation
Avenue P Landfill, Newark

DATE: June 20, 1990

The Bureau of Compliance and Technical Services' Special Investigation Section has prepared the attached Responsible Party Investigation Summary for the subject case to assist the Bureau of Planning and Assessment in its site evaluation.

Please be advised that referenced key documents are maintained in this bureau's files. Should you have any questions in this matter, do not hesitate to contact Doug Stuart at (609) 633-0700.

BV:lmc
c D. Stuart, Section Chief, Special Investigation Section
Y. Yacoub, Chief, Metro Bureau of Enforcement
P. Smith, Investigator, SIS/BCTS
RPIU File

844680099

AVENUE P LANDFILL
INVESTIGATIVE SUMMARY

Historically, the eight acre Avenue P Landfill and adjacent properties have served as an illegal dump. In the early eighties, hundreds of drums were observed on the western portion of the site. Subsequently, an Administrative Consent Order (ACO) was signed with the site's property owner, the Newark Redevelopment and Housing Authority in 1985. A cleanup proceeded thereafter, but was limited to surface drums and contamination. All remedial activities were discontinued in 1987, at the request of the Housing Authority. Groundwater contamination still warrants abatement.

The site is located in the Iron Bound Section of Newark, which contains numerous chemical refineries and industrial facilities. Avenue P and the New Jersey Turnpike bound the site to the east and west respectively. Alliance Chemical Inc. is situated along the site's northern perimeter. Originally the site consisted of Lots 14, 16, 20, 21, 23, 24, and 28 (Block 5020), but is now designated as Lots 14 & 138, (357-405 Avenue P) according to the current tax map. The Newark Redevelopment and Housing Authority refers to the site as disposition parcel 103-9x. Parcel 103-9y borders the site's southern perimeter.

Property lines and ownership have changed frequently over the years. The Amalgamated Dyestuff and Chemical Works Inc., and American Fat and Tallow Co. were two of the first industries in the area. Avenue P was once a dirt road and referred to as Plum Point Lane in the thirties and forties.

The Amalgamated Dyestuff and Chemical Works Inc. occupied the area north of the landfill which is now owned by Alliance Chemical Inc. (309 -327 Avenue P). The property was conveyed to the Calco Chemical Co. in 1938. American Cyanamid purchased the facility six months later which they sold to Martin Laboratories in 1943. Subsequently, lease's were executed with Tiffany Chemical Company in July, 1946 (building 9, 9A, 11 & 13F), and Security Paint and Varnish in April, 1948 (building 8 & 13A). Both companies manufactured paints, varnishes, lacquers, dyes and oils.

During the fifties, the property was owned by Harry and Sophie Martin (husband and wife) and later by Plum Point Realty, who conveyed Lots 8 (1958) and 12 (1957), Block 5020, to Alliance Color and Chemical Company.

Sun Chemical Corp. purchased Lots 6, 9 and 10 (Block 5020) from Union Carbide on September 30, 1964. This property was purchased by D&J Trucking in 1974 and also included Lots 120, 122, 126 (Block 5060), which lie east of Avenue P. D&J conveyed all four tracts of land to the Housing Authority on March 17, 1978.

D&J Trucking purchased Lot 16 (Block 5020) which contained 2.904 acres from Emil and Mary Attanasio (husband and wife) in May of 1958. This property was sold by D&J on August 2, 1960 to A. Giordano & Sons, Inc. Additional land Lot 14 (Block 5020) was obtained from Harry B. and Elizabeth Yeskel on July 29, 1960. The Yeskel's had acquired this property in April, 1960 from the Attanasio's. Previous owners of Lot 16 included the City of Newark and Organic Salt and Acid Company.

The Newark Redevelopment Housing Authority (NRHA) purchased Lots 14 and 16 in July of 1968. The land was designated as disposition parcel No. 103A-1 in a Metes and Bound Survey prepared by Borrie and McDonald Surveyors on June 22, 1968 entitled Industrial River Urban Renewal Project NJR-121. Forsun Urban Renewal Corporation, 750 3rd Avenue, New York, New York acquired parcel No. 103A-1 from the Housing Authority on the same day. Apparently, Forsun planned to redevelop the area (5.869 acres) but, conveyed the premises back to the NRHA on August 22, 1974.

On April 20, 1970 the NRHA purchased Lots 20, 21, 24, 28 and 32 (Block 5020), from Revere Holding Corporation for a sum of $326,545. The property was conveyed to Revere by deeds from American Fat and Tallow Company (April, 1961); Nathan and Betty Solomon and Anna Paro (April, 1961); Emil and Mary Antanasio (February, 1958); and Regent Smelting and Refining Corporation (November, 1957). A Sale of Land for Private Redevelopment for disposition parcel 109-2A was executed on the following day with Revere Urban Renewal Corporation who intended to redevelop the premises. However, the property was conveyed back to Housing Authority on September 27, 1974.

During the early 1900s, most of the area surrounding Avenue P consisted of wetlands. As industry began to develop the region, wetlands were filled in which is evident in aerial photographs. The Avenue P Landfill was being utilized in 1940 and had more than tripled in size by 1951. Further expansion of the landfill had occurred in the early sixties to the north, south and west. A junkyard existed on top of the landfill at this time. Surveys of the land made by Borrie, MacDonald and Watson, 972 McCarter Highway, Newark, described the area as a paint dump between the years 1960 and 1973. Several sheds located on the site were noted to contain lacquers, removers, paints and varnishes. Labels on these products bore the names of Sherwin Williams and Benjamin Moore. The surveyors also observed hundreds of cases, containing paint cans in them and quantities of oil on-site.

D&J Trucking and Waste Co., Inc. (D&J) was given approval by the Department to operate a sanitary waste disposal facility at 387 Avenue P (Lot 14-16, Block 5020) on July 23, 1970. Subsequently, D&J informed the Department by letter dated December 14, 1974 stating that they "are no longer in the solid waste sanitary landfill business" and have discontinued operation at 387 Avenue P. On June 2, 1975 the Division of Water Resources (DWR) ordered D&J to immediately cease disposal operations on Lots 120, 122, 126 (Block 5060). This facility was not registered with the Department. The DWR issued a second order to D&J on June 19, for failure to apply final cover material on the disposal facility at 387 Avenue P which they never complied with.

Ed Faille, DWR Special Services observed approximately 300-400 drums in a ditch (Plum Point Creek) located along the landfills western border on May 24, 1976. Many of the drums were buried within the rear face of the landfill. Some of the drums were noted to be marked "hazardous waste chemicals". It is unknown what, if any, enforcement actions were taken.

On February 9, 1977 Department personnel witnessed drums being buried on D&J's property located at 310 Avenue P. The Newark Police Department, Unit 317 observed Ralph Smith unloading and loading 55 gallon drums in the middle of the landfill. Further investigation discovered a large hole filled with

an unknown liquid material. D&J's President, Dominick Attanasi identified the material as waste water from Benjamin Moore Paint which the company verified on the eleventh.

The Solid Waste Administration (SWA) issued a Notice of Prosecution (NOP) to Dominick Attanasi on August 30, 1977. A previous inspection disclosed that D&J was dumping solid waste at 310 Avenue P which was not a registered facility with the Department. D&J was ordered to cease all operations however, a subsequent inspection made in December, noted that they were in violation of the NOP. Paint residue was found in a pit on the premises which contained several drums and smaller containers. In addition to the pit, paint sludge was also detected on the ground in two areas.

On December 15, 1977 the Newark Police Department arrested Dominick Attanasi and Ralph Smith for dumping chemicals at 310 Avenue P. The officer saw a truck containing 55 gallon drums drive onto the property. Smith was then observed pouring the contents of 55 gallon drums into a pit. Further investigation detected an unknown substance polluting the adjacent creek (Plum Point Creek). Truck tracks existed at the edge of the creek where numerous drums littered the immediate area. The pollution originated from the bank where the tire tracks had stopped. A Spill Report for this incident was filed by the Newark Department of Engineering which indicated that D&J routinely dumps chemical waste and drums.

Representatives from the NJDEP and Newark Department of Engineering collected several samples at the dump site during a joint inspection on December 20, 1977. Investigators noted an oily residue on both sides of the creek. Pigments were also observed on the ground. Samples obtained from the creek, drums and pit contained flammable and hazardous materials. The contents of the drums sampled appeared to be a synthetic resin type paint containing pigment and a latex vehicle.

D&J Trucking and Waste Company registration, No. 2683, to collect and haul solid waste in NJ was revoked by the Solid Waste Administration on February 14, 1978, The SWA cited prior incidents (i.e. April 2, August 1 and December 15, 1977) for such actions.

Subsurface investigations were conducted by Geo-Tech Associates and Warren George, Inc. in 1974 and 1976. The investigations were conducted for the NRHA's Industrial River Project NJR-121 which planned to redevelop the site for commercial/industrial purposes. A series of test borings and pits were made throughout parcel 103-9. The surficial soils consisted of fill/refuse materials (i.e. municipal, sewage sludge, dry hazardous waste, vegetative waste, food processing waste, industrial (non-chemical) waste and oil spill cleanup waste) which overlays tidal marsh deposits.

Genge Consultants were commissioned by the NRHA to produce an engineering report for a proposed landfill disruption of parcel 103-9, Avenue P, Industrial Development, Newark, NJ. The proposed disruption would upgrade the site for sale to a prospective developer. Genge prepared a report in October of 1979, which identified the western portion of the site, as the area of disruption. The amount of disrupted material removed from the excavation was approximately 37,000 cubic yards.

NJDEP and Newark Redevelopment and Housing Authority personnel discovered an undetermined number of drums along Plum Point Creek on May 11, 1981. The drums were located between NJ Turnpike Mile Posts 105.8-106.6. But it could not be determined if the drums were situated on land belonging to the Housing Authority (parcel 103-9X) or the Turnpike Authority (TA). Apparently, the City had uncovered the drums while dredging the creek. The Turnpike Authority informed the NRHA by letter dated June 23, 1982 indicating that the drums are located "off" Turnpike Surplus Property, parcel No. 401-JX1 and therefore they are not responsible for removal of the drums.

An EPA contractor performed a site reconnaissance for 291-549 Avenue P on March 12, 1982. Field observations noted that drums were protruding from the ground and stacked in piles. Many of the drums were corroded and broken. Runoff from the drums was entering into the adjacent creek.

In January of 1983, SWA inspector, Robert Leary noted several hundred drums containing a sludge residue along the western slope of disposition parcel 103-9X. Subsequently, the Division of Waste Management (DWM) issued a Notice of Violation (NOV) to the NRHA on May 2, 1983. The site was not in compliance with the disruption permit because final cover material had not been applied.

A developer, Xpress Truck Lines planned to construct an industrial warehouse/trucking terminal on-site. The NRHA made a request to the Department on August 26, 1983 to transfer the registration to Xpress. However, the Department indicated that a new application would have to be submitted "due to the differences in the nature of the originally proposed project and the current project".

The DWM presented two disposal options for drums on the site to Mr. George Chraneqycz (NRHA) in a letter dated November 16, 1983. A written response of the anticipated cleanup plans was requested by November 30. DWM representatives met with Housing Authority officials on November 22 to discuss disposal and cleanup methods for the drums. The NRHA requested assistance from the Department in abating the contamination during a subsequent meeting held in December.

Remediation of the Avenue P Landfill was subsequently pursued by the Department administratively. On October 31, 1984 a Directive Letter was issued to the NRHA pursuant to the Spill Compensation and Control Act, N.J.S.A. 58:10-23.11 et seq. The Directive ordered the Housing Authority to undertake remedial and investigatory measures at the site. An environmental consultant, Atlantic Technologies, Inc. (ATI) was retained by the NRHA and submitted a cleanup plan to the NJDEP on March 12, 1985. ATI's plans were found incomplete and unacceptable. By April, 1985 none of the terms stated in the Directive had been implemented by the Housing Authority.

Consequently, Milton Buck, the Housing Authority's Executive Director signed an Administrative Consent Order (ACO) issued by the DWM on April 15, 1985. The Order became effective on the seventeenth, and required the NRHA to contain, sample and dispose in a proper manner all drums and contaminated soil; sample and analyze water in the drainage ditch; and mitigate ground water contamination. The Cavanaugh Group (Cavanaugh) was contracted to

remediate the site and commenced actions on April 29. However, the Housing Authority shut down the project on June 28, 1985 because cleanup funds were exhausted.

Before site operations ceased, approximately 1,460 drums were removed from the creek and its banks. High concentrations of cyanide and sulfides were detected in some of the drums analyzed. Other substances, possessing a very low flash point (less than 80° F) were also detected. Furthermore, polychlorinated biphenyls (PCBs) contamination was detected in the creek. Cavanaugh informed the Housing Authority of these conditions in a letter to Milton Buck dated July 10, 1985. In a effort to secure additional funds for the clean up, the NRHA sought assistance from the Department of Housing and Urban Development.

On August 9, 1985 the NRHA received urban renewal close out funds to help continue financing the cleanup. Consequently, a mailgram was issued to the Cavanaugh Group informing them to resume cleanup operations at the Avenue P site. The Housing Authority requested a projection of costs so that the limited funds could be monitored. By October 7, 1985 site operations had been reduced to a three man crew responsible for site maintenance (i.e. maintain plastic on drums and soil, replace absorbents in the creek).

Cavanaugh suggested several remedial options for subsurface contamination on February 13, 1986. Test holes made throughout the site indicated that the site was once used for industrial waste disposal. Pigments were observed in each test hole excavated on site. Samples obtained from the hole contained metals and volatiles. Subsequently, the Cavanaugh Group proposed to remediate subsurface contamination by trenching. The NRHA approved of this method on March 17, 1986.

In August of 1986, Cavanaugh informed the NRHA that they were proceeding with the development of a remedial plan for ground water. But, the Housing Authority did not authorize this work. By September of 1986, no significant work had been accomplished at the Avenue P site since early March. The NRHA was not in compliance with the originally issued ACO. Approximately three thousand cubic yards of contaminated soil still remained on the premises. This soil was classified by the DWM in June.

In April, 1987 Cavanaugh submitted work plans to the Housing Authority for a leachate collection system. The collection system was previously mentioned in a Remedial Action Feasibility Study and Work Plan dated November 17, 1986. Steel plates were temporarily installed to contain leachate from entering into Plum Point Creek. No actions have been taken to address the leachate problem.

The NRHA ordered the Cavanaugh Group to cease and desist all work at the Avenue P site on July 29, 1987. Only remediation of surface drums and soils was near completion, but hazardous conditions still existed on site.

The New Jersey Turnpike Authority (NJTA) announced a plan in May 1985 to increase the capacity of the Turnpike by widening from Interchange 11 to U.S. Route 46. Louis Berger & Associates, Inc. published a draft report entitled Preliminary Site Investigation: New Jersey Turnpike 1985-90, Widening from Passaic River to Mile Post 105 for the NJTA in December,

1986. The report identified potential sources of pollution which may have contaminated properties along the proposed Right-of-Way of the project. Disruption of several landfills, including Avenue P, would severely impact the widening project. The project was restructured in June of 1989, due to escalating costs and environmental considerations. The widening of the Turnpike from twelve to fourteen lanes would only occur between Interchange 11 through 14. Ramp improvements would be made to the Southern Mixing Bowl which extend from Interchange 14 through 15.

The NRHA is presently (May, 1990) involved in a contractual dispute with the Cavanaugh Group. No work has been done since the cease and desist order which the Housing Authority issued on July 29, 1987.

DISCHARGE/ABANDONMENT INFORMATION:

Avenue P Landfill
357-405 Avenue P
City of Newark, Essex County
Block 5020; Lots 14 and 138

Current Owner:
Newark Redevelopment and Housing Authority
57 Sussex Street
Newark, NJ 07103

SUBSTANCES DISCHARGED/ABANDONED:

The following substances have been detected in soil, sediment, surface water and ground water samples obtained from the Avenue P Landfill by the Cavanaugh Group:

Base Neutrals: Anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)flouranthene, chrysene, fluoranthene, flourene, napthalene, phenanthrene, pyrene.

Metals: Antimony, arsenic, beryllium, cadmium, chromium, cyanide, lead, mercury, nickel, selenium, silver, sulfide, zinc.

PCBs: Aroclor 1260

Pesticides: b-BHC, heptaclor

Petroleum Hydrocarbons

Volatile Organics: Acetone, chlorobenzene, 1,1 dichloroethane, 1,1 dichlorocthylene, ethylbenzene, methyl isobutyl keytone, naptha, toluene, 1,1,2,2 tetrachloroethane, tetrachloroethylene, trichloroethylene, 1,1,1 trichloroethane, 1,1,2 trichloroethane trimethylsilanoe, xylene.

The Newark Redevelopment and Housing Authority retained the Cavanaugh Group, 19 Route 46, Fairfield, New Jersey to remediate contamination on site. Cavanaugh began mobilization of the site on April 29, 1985.

An emergency drum removal was conducted by Cavanaugh. The drums were staged in containment berms made from fill material taken on site. In June of 1985, twenty seven bore holes were sunk near the staging area. Soil samples were obtained from each boring and noted to contain multicolored (ie. white, red, blue, green, pink, yellow, orange, etc.) materials. Fifteen ground water samples were also collected from the borings. Metals and volatile organics were detected in the ground water and soil samples.

By July, 1985 the Cavanaugh Group had removed approximately 1,460 drums from the creek's banks and bottom. Most of the 55 gallon drums were ruptured. The contents of some drums analyzed contained low flash points (85 Degrees Fahrenheit), cyanides, corrosives and PCBs.

During the drum remediation, soil was excavated from a steep embankment adjacent to the creek on the northwest boundary of the site. The material was stockpiled in two mounds which were sampled on December 9, 1985. Metals, pesticides, PCBs and volatile organics were detected in four composite samples obtained from each mound.

Upon completion of the drum removal, the containment berms were stockpiled in mounds on site. Petroleum hydrocarbons, cyanide, sulfide, PCBs and volatiles were detected in composite soil samples collected from these mounds.

A series of samples were collected in April, 1986 and consisted of one surface water sample, one sediment sample, and four composite soil samples. During the sampling episode air monitoring was conducted. Organic vapors ranging from 0-110 ppm were detected. The laboratory detected petroleum hydrocarbons in all six of the samples analyzed. Concentrations of cyanide/sulfide were present in most of the soil samples. These samples were taken about twenty to thirty feet away from the creek. A black charcoal like material and oily substance was found in some of the composite samples.

Cavanaugh submitted a work plan in October, 1986 which investigated ground water and subsurface contamination. The plan called for additional sampling and installation of test pits and monitoring wells throughout the site. Approximately 2,000 drums and 3,000 cubic yards of soil were removed and disposed off site before the NRHA ceased operations in August of 1987. No subsurface contamination has been remediated to date.

RESPONSIBLE PARTY:

A. Giordano & Sons, Inc.
2 Mt. Vernon Street
Ridgefield Park, NJ 07660-1445
(201) 641-5800

Mailing Address:
2 Mt. Vernon Street
P.O. Box 193
Ridgefield Park, NJ 07660-1445

Registered Agent:
Gary Giordano
2 Mt. Vernon Street
Ridgefield Park, NJ 07660

Corporate Status:
Active; services heating equipment and plumbing contractors

Financial Status:
Sales 1988 $1,100,000 Dun & Bradstreet 6/90

Principal:
Frank Giordano
President

RESPONSIBLE PARTY:

A. Gross & Company: Kawanee Industries, Inc.
652 Doremus Avenue
Newark, NJ 07105

Mailing Address:
Box 818
Newark, NJ 07101

Corporate Status:
Kawanee Industries, Inc. merged into Gulf Oil Corp. on September 19, 1977. Gulf Corp. merged into Standard Oil Co. of California on June 15, 1984. Standard Oil changed name to Chevron in May, 1984 (directory of obsolete securities).

Financial Status:
No Financial Status Available

Principals:
Marvin Weiss
President

RESPONSIBLE PARTY:

Alliance Chemical Inc.
33 Avenue P
Newark, NJ 07101
(201) 945-5400

Parent Corporation:
Pfister Chemical, Inc.
Linden Avenue
Ridgefield, NJ 07657

Corporate Status:
Active; Alliance is a subsidiary of Pfister Chemical, Inc. Manufacture synthetic and organic chemicals, dye stuff and cyclic intermediates.

Financial Status:
Sales $3 Million
Sales $10,000,000 Dun & Bradstreet (Pfister Chemical)
Standard and Poors Register of Corporations, Directors and Executives 1990

Principals:
Albert Bendelius
Chairman
P.O. Box 15
Ridgefield, NJ 07657

33 Avenue P
Block 5020; Lot 12

Assessment:

$ 56,600	Land
499,200	Improvements
$555,800	

RESPONSIBLE PARTY:

Benjamin Moore and Company, Inc.
134 Lister Avenue
Newark, NJ 07105-4524
(201) 344-1200

Corporate Headquarters:
51 Chestnut Ridge Road
Montvale, NJ 07645-1801
(201) 573-9600

Corporate Status:
Active; Paints, Oil or Alkyd Vehicle or Water Thinned; Enamels; Varnishes Stains; Varnish, Oil or Wax

Financial Status:
Sales 1988 $412,629,284 Dun & Bradstreet 1990

Principals:
Richard Roob
Chairman of the Board
51 Chestnut Ridge Road
Montvale, NJ 07645-1801

RESPONSIBLE PARTY:

D&J Trucking and Waste Company, Inc.
387 Avenue P
Newark, NJ 07105

Registered Agent:
James P. Lordi
387 Avenue P
Newark, NJ 07105

Corporate Status:
Void

Principals:
Dominick Attanasi
President
No Financial Status Available

Joseph Attanasi
Vice President
341 Forest Drive
Block 804; Lot 9 (Union Township)

Assessment:
$ 21,200 Land
23,900 Improvements
$ 45,100

Address:
3 Hemlock Circle
Block 256; Lot 1 (Cranford Township)

Assessment:
$ 122,500 Land
194,000 Improvements
$ 316,500

Address:
1035 Route No. 1
Block 302; Lot 3 (Rahway Township)

Assessment:
$ 289,600 Land
107,500 Improvements
$ 397,100

RESPONSIBLE PARTY:

Newark Redevelopment and Housing Authority
57 Sussex Avenue
Newark, NJ 07103

Corporate Status:
Active

Financial Status:
No Financial Status Available

Principals:
357-405 Avenue P
Block 5020; Lot 14 (Newark)

Assessment:
$79,600 Land

385-405 Avenue P
Block 5020; Lot 138 (Newark)

Assessment:
$81,100 Total Value

RESPONSIBLE PARTY:

Revere Smelting and Refining Corporation of New Jersey, Inc.
1111 West Mockingbird Street
Dallas, Texas 75247-5008
(214) 631-6070

Parent Corporation:
RSR Corporation
1111 West Mockingbird Street
Dallas, Texas 75247-5008

Corporate Status:
Active; Recycling Lead Smelting & Refining

Financial Status:
Sales 1988 $44,359,000 Dun & Bradstreet

Principals:
Howard M. Meyers
President and Chief Executive Officer

RESPONSIBLE PARTY:

Sun Chemical Corporation, Pigment Division
185 Foundry Street
Newark, NJ 07100

Corporate Headquarters:
Sun Chemical Corporation
411 Sun Avenue
Cincinnati, Ohio 45322

Corporate Status:
Active

Financial Status:
No Financial Status Available

Principals:
Paul W. Klein
Vice President, General Manager - Colors Group
411 Sun Avenue
Cincinnati, Ohio 45322

RESPONSIBLE PARTY:

The Sherwin-Williams Company, Inc.
Brown and Lister Avenue (Branch Location)
Newark, NJ 07105
(201) 344-7000

Corporate Headquarters:
101 Prospect Avenue, N.W.
Cleveland, Ohio 44115-1075
(216) 566-2000

Corporate Status:
Active; Manufacture Paints Varnishes and Chemical Cleaners

Financial Status:
Net Sales 1988 $1,950,474,000 Standard and Poors

Principals:
J.G. Breen
Chairman and Chief Executive Officer
101 Prospect Avenue, N.W.
Cleveland, Ohio 44115-1075

RESPONSIBLE PARTY:

Union Carbide Corporation, Linde Gases of Mid-Atlantic
360 Avenue P
Newark, NJ 07105-4802
(201) 589-7435

Parent Corporation:
Union Carbide Chemicals and Plastics Co., Inc.
Union Carbide Corp.
Old Ridgebury Rd.
Danbury, CT 06817

Corporate Status:
Active; packages compressed gas, chemicals and allied products

Financial Status:
Sales 1988 $5,252,000,000 Dun & Bradstreet 1990

Principals:
Robert D. Kennedy
Chairman of the Board, Chief Executive Officer, President

CONCLUSIONS AND RECOMMENDATIONS:

A primary contributor to site contamination was D&J Trucking. D&J Trucking and Waste Company, Inc. (D&J) was incorporated on August 26, 1957. Their principal office was listed as 387 Avenue P. One of the purposes of this corporation was to "keep a dump for the purpose of hiring out same to private industries so that they can get rid of their refuse". Dominick J. Attanasi and Joseph Attanasi each held 49-1/2 of the corporation's one hundred shares.

In July of 1960, D&J acquired Lot 14 (345-367 Avenue P). Aerial photographs taken on April 23, 1961 showed that the northern portion of the landfill was occupied by an automobile junk yard. D&J's Certificate of Incorporation states that the company retained junk automobiles and trucks to sell their parts after they have been dismantled.

D&J sold Lot 14 in July of 1968, to the Housing Authority of Newark. The Solid Waste Administration (SWA) gave D&J approval on July 23, 1970 to operate a sanitary landfill on Lot 14 and 16 (Block 5020) which was owned by Forsun Urban Renewal Corporation. Aerial photographs (CTK; IRC-51, 52) taken on August 20, 1972 revealed that pits/holes were present on the landfill. Two areas shaded yellow were also evident on site. GeoTech Associates and Warren George, Inc. detected chemical and paint waste in test pits excavated on the former landfill. The Cavanaugh Group removed numerous drums containing paint sludge during remedial activities in 1985. D&J has a history of disposing chemical and paint waste in pits located on their property at 310 Avenue P.

In February, 1977 personnel from the NJDEP observed drums being buried on D&J's facility at 310 Avenue P. Newark Police Officers discovered a hole on the property containing waste water from Benjamin Moore on April 7, 1977. Prior to finding the hole, officers watched Ralph Smith unload a truck with drums in the yard. Dominick Attanasi and Ralph Smith were arrested by the Newark Police Department on December 15, 1977 for dumping the contents of some drums into a pit at 310 Avenue P.

Subsequent aerial photographs taken in April, 1974 revealed that active filling was occurring along the western portion of the landfill adjacent to the creek. Approximately 300-400 drums were discovered in this area in May of 1976. Some of the drums were partially buried and marked hazardous waste chemicals.

D&J Trucking and Waste Company also operated a sanitary landfill located at Avenue A and Pioneer Streets, Newark. On March 1, 1972 an Application for Certification to Conduct a Refuse Disposal Operation on the property was submitted to the Department by D&J. The Bureau of Solid Waste Management was informed by letter dated December 21, 1972 that D&J had formed a new corporation D.A.J. Inc. (incorporated July, 1972) and wanted the landfill permit changed or transferred to the new corporation. In July of 1977, the permit expired for the facility. This facility is also another documented site with the DHWM, Bureau of Planning and Assessment.

Sherwin Williams Company, Brown Street and Lister Avenue, stated in their New Jersey Air Pollution Control Code, Chapter 12 Emergency Standby Plan dated May 9, 1972 that D&J Trucking Company disposes approximately 1,300 drums containing pigments, oils and residues for the company yearly. Land surveys made by the Borrie, MacDonald and Waston firm described the landfill as a paint dump between 1960 and 1973. Several sheds on site contained paints and associated products (varnish, lacquers and removers) which had labels from Sherwin Williams and Benjamin Moore.

On December 27, 1977 Mr. W. Soltup, Plant Controller for Sherwin Williams indicated that D&J Trucking is used to dispose of approximately 250 drums per month. The drums contained still bottoms and off spec batches of paint and varnishes. This information is substantiated by Sherwin Williams response to the Industrial Waste Survey dated January 14, 1977. According to the survey, D&J Trucking and Waste Company, Inc., 387 Avenue P, hauls an estimated 4,500 cubic yards of miscellaneous paint and varnish wastes yearly. Hazardous constituents of this material include lead, chromium, cobalt and antimony. The waste is disposed in closed 55 gallon drums and consists predominately of filter and staining media; small (less than one quart in size) varnish, paint and emulsion samples; sediments collected during the cleaning of tanks and equipment, and damaged or used five gallon pails and smaller containers. Major constituents of liquid waste include alkyds and unsaturated polyester resins, and organic solvents.

Containers with Benjamin Moore (BM) labels were also noted by the surveyors. The Newark Police Department observed Ralph Smith unloading drums at 310 Avenue P on April 7, 1977. Upon investigation a large hole was found containing an unknown substance. Dominick Attanasi stated that the drums contained waste water from Benjamin Moore Paint Company. Mr. J. Lewczak of BM verified on the eleventh that the drummed substance was waste water.

Benjamin Moore's, Plant Manager, Mr. Berg on December 27, 1977 stated that they have been doing business with D&J for about ten years. Approximately 150 (55 gallon) drums containing still bottoms and paint residues are picked up by D&J each month. The still bottoms contain pigments and alkyl resins.

Labels, a price list, shipping receipts and a sheet for Halowax Products were recovered on site during remedial activities. The physical evidence included the names of Harmon Color Works, Inc., Acme'Quality Paints, Inc., John Lucas and Company, Inc. and Halowax Products Division, Union Carbide and Carbon Corporation. According to the New Jersey Industrial Directory, John Lucas and Company, Inc. is a subsidiary of Sherwin Williams.

Most of the Halowax product sheet is illegible, however some information was obtained. The oil product may contain chlorinated hydrocarbons and are used for insecticides, seating compounds, and dialectics, a material that doesn't conduct electricity. Halowax products have good "heat stability" and "low loss characteristics" which make them "especially suitable as a capacitor impregnate". Apparently this material is similar to PCBs which have been detected at the Avenue P Landfill.

Union Carbide & Carbon Corporation once owned Lots 9 and 10 (Block 5020), which is situated immediately north of the site. The company changed its

name to Union Carbide Corporation in May of 1957. Sun Chemical Corporation purchased the two parcels on September 30, 1964. Union Carbide's, Linde Division operates a plant located at 360 Avenue P. Compressed gases (ie. acetylene, oxygen, helium, nitrogen) are produced and packaged there. Several compressed gas cylinders were discovered at the Avenue P site during remedial activities.

Other companies identified as using D&J Trucking & Waste Co. to haul their waste material include A. Gross & Co., Alliance Chemical Inc. and Sun Chemical Co.

A. Gross & Co. stated in the Eckhardt Report, Waste Disposal Site Survey of 1979 that approximately 122 hundred tons of organics, inorganics and heavy metals were disposed at D&J's Avenue A facility. The site was used from 1955 to 1976. Gross manufactured fatty acids and derivatives used in the chemical and pharmaceutical industry. Only natural materials (ie. vegetable materials and animal fats) are used in this process however, hazardous waste is generated in their quality control lab. A variety of solvents are used for quality control analysis. The company generates waste classified as: D001, flammable liquid containing ethyl alcohol; and D009/F001, liquid containing mercuric acetate and spent halogenated solvents for degreasing including tetrachloroethylene, trichloroethylene, methylene chloride, 1,1,1 trichloroethylene, and carbon tetrachloride. This material is kept in 55 gallon drums for disposal.

A. Gross waste disposal practices were investigated by the Department on September 17, 1980. The laboratory had only recently started to collect waste material in drums and were seeking a disposal facility for it. Laboratory waste was supposedly disposed down the drain. In 1983, A. Gross & Co. was bought out by Witco Corp., Humbo Chemical Division. A. Gross is stated as being a subsidiary of Gulf Oil Company in the Eckhardt Report.

Mercury and volatile organics (ie. tetrachloroethylene, trichloroethylene, 1,1,1 trichloroethane) were detected in soil and water samples obtained from the Avenue P site. New Jersey's special waste manifest tracking system was not implemented until 1978, after the D&J facility had ceased operating. There is no evidence which indicates that all of Grosse's waste went to the Avenue A facility.

Many of the drums on site analyzed contained flammable material. Gross generated D001 waste (flash point less than 140 degrees) that was stored in 55 gallon drums. D&J Trucking and Waste Co. may have transported some of this waste to the Avenue P site.

Alliance Color and Chemical Co. (Alliance) is located on Lots 3, 6, 8, 12 and 136 (Block 5020), which borders the northern margin of the site. The tax map for the City of Newark designates the area as 309-327 Avenue P. A NJDEP Selective Substance Report indicated that the plant began operating in 1945. During the later fifties, Plum Point Realty Corporation conveyed Lots 8 and 12 to Alliance. Reports note that Pfister Chemical, Ridgefield Park, NJ; purchased the plant around 1965 and retained the Alliance name. However, no deed pertaining to this transaction was found during a recent title and deed search.

Alliance manufactured specialty organic intermediates such as dyes, pigments, and diazo compounds. The chemicals 2-chloro-1,4-diethoxy-5-nitro benzene (DEB) 1975-1980, and 5-chloro-2,4-dimethoxyaniline (ITR-amine) 1965-1983, were manufactured at the plant. Both chemicals are listed by the EPA as Class II dioxin compounds which are precursors to dioxin formation.

Alliance makes product by mixing muratic acid, water, and organic chemical reagents in a large vessel. A chemical reaction occurs in which the intermediate is synthesized, then filtered and washed. In the synthesis step, some material is washed free of product and then filtered and washed. Two waste streams are generated from the process: filter cake and acidic process water. The cake is stored in drums and a sludge box at the rear of the facility, adjacent to the landfill (see map in file). Approximately 200 drums were observed in the rear storage area during an inspection conducted by the Division of Waste Management on November 19, 1980. Many of these drums were insecure for hazardous waste storage. In 1980, a sample of Alliance's activated carbon filter cake was analyzed by New York Testing Laboratories Inc. and found to contain cyanide, phenols, ammonia, arsenic, cadmium, chromium, copper, lead, mercury, nickel and selenium.

The process water was once discharged into a trench which led to an unlined neutralization pit. PCBs and volatile organics ie. 1,2 dichloroethane, ethylbenzene, and xylene were detected in sludge samples obtained from the trench. This material was later determined to be hazardous material. Additional samples tested in February and March, 1981 indicated the presence of benzene, trimethybenzenes, napthalene, methylene chloride, momomethyl naphthalenes, chloroform, carbon tetrachloride and 1,1,1 trichloroethane. Similar contaminants ie. PCBs, cyanide, sulfides, lead, mercury and petroleum hydrocarbons were detected in sediment, surface water and soil samples obtained from the site. A black charcoal like material was present in some of the composite soil samples. Alliance generated an activated carbon filter cake at their plant.

Metals and volatile organics were also detected in soil and ground water samples taken from the Avenue P site. These compounds are similar to those detected in samples collected from Alliance. Drums removed from the site contained cyanide and PCBs.

Aerial photographs (CTK, IRC - 51, 52) taken on August 20, 1972 revealed that an extensive drum storage area existed at the Alliance plant. The drums were located on the south western side of the property. A road was observed entering onto the northwestern portion of the landfill in subsequent aerial photographs (2063-43-5927, 5928, 5929) dated April 11, 1974. This road was not evident in previous aerials and the number of drums on the premises had been significantly reduced. Most of the drums were discovered in the northwest portion of the site.

Pfister Chemical stated in the Industrial Waste Survey that their Avenue P plant, Alliance Chemical, Inc., used D&J Trucking to haul waste off site.

Sun Chemical Corp. (SUN), 185 Foundry Street, Newark manufactures red, magenta and violet quinacridone pigments. The company generates process waste from filter presses and filter cake washes. This material consists mostly of polyphosphoric acid, but may also contain alcohol and glacial

acetic acid depending upon which pigment is being manufactured. Process waste are neutralized with caustic soda in a tank.

SUN stated in the Industrial Waste Survey dated November 18, 1977 that D&J Trucking hauls approximately twenty cubic yards of waste solids from the facility each month. Waste components include barium chloride, sodium chloride and sodium sulfate. The Cavanaugh Group in a letter to the NRHA dated July 10, 1985 indicated that test results recorded high acidic levels at the site. SUN generates a corrosive aqueous waste which has to be neutralized. Prior to 1981 it is unknown how this material was disposed.

Revere Smelting and Refining Corp. (Revere) operated a lead recycling business which lies adjacent to the southern portion of the Avenue P Landfill. The property was owned by Revere Holding Corp. which acquired the land between 1957-1961. The City of Newark issued a Certificate of Occupancy No. 1653 to Revere in March of 1964. Subsequently, Revere was found in violation of the Newark Air Pollution Control Ordinance on five occasions from 1965 through 1968.

The New Jersey Department of Health issued an Administrative Order to Revere on August 15, 1969 for polluting the Passaic River. Revere was also under order by the Passaic Valley Sewerage Commission to cease sulfuric acid discharges into Plum Point Creek. This material was generated from the dismantling of lead batteries. Changes were eventually made to the plant equipment which eliminated the discharge. Battery acid was neutralized with sodium hydroxide in a tank and directed into a holding lagoon which also received overflow from air pollution scrubbers. Aerial photographs taken on March 31, 1971 depict three lagoons at the rear of the facility. Subsequent photographs taken in 1974, showed a road leading onto the landfill from the Revere Plant.

Max Boritzer, President, Revere Smelting & Refining Corp. (a New Jersey Corp.) in an agreement dated April 14, 1970 gave Revere Smelting & Refining Corp. (a Delaware Corp.) consent to use the Revere name. Revere, the Delaware Corp. changed its name to Revere Smelting & Refining Corp. of New Jersey (RSR/NJ) in December, 1971. Howard M. Meyers is the Corporation's President.

On April 20, 1970 Revere Holding Corp. conveyed Lots 20, 21, 24, 28 and 32 to the Housing Authority. This property was acquired by Revere Urban Renewal Corp. on the following day. Howard Meyers is also the president of Revere Urban Renewal Corp. which owned the property until September of 1974, when the land was conveyed back to the Housing Authority.

Revere Smelting & Refining Corp. and Revere Smelting & Refining Corp. of New Jersey are two different entities which occupied the site during the sixties and early seventies. Exploratory excavations made on the southern portion of the site noted coke waste extending from the surface to a depth of 13 feet. Coke is a by product of metal refining such as lead. Concentrations of lead and antimony have been detected in soil samples obtained from the Avenue P site. Both of these materials were reclaimed by the facility. RSR/NJ may have contributed to ground water contamination through leaching of the lagoon's contents. No ground water survey has been conducted at the site. However, the Cavanaugh Group indicated in a letter to the Housing

Authority that soils on the site are very acidic. The facility recycled batteries containing sulfuric acid which may have contributed to this type of contamination.

The Avenue P Landfill was briefly owned by the Newark Redevelopment and Housing Authority (NRHA) in the late sixties. In 1974, the NRHA purchased the property to upgrade the site for sale to a prospective developer. An engineering study of the site was prepared by Genge Consultants in 1978. The study indicated that chemical and paint waste were detected in test boring/pits made on the site during the mid seventies. Subsequently, representatives from the Housing Authority and NJDEP discovered hundreds of 55 gallon drums on the northwest portion of the former landfill. The NRHA signed an Administrative Consent Order (ACO) to remediate ground water, surface and subsurface contamination at the site in April, 1985. A contractor was retained but was limited to only performing a cleanup of surface drums and contamination before ceasing operations in 1987. Ground water and subsurface contamination still warrants abatement to date. The Housing Authority has not complied with the ACO they signed in 1985.

Therefore the following entities: A. Giordano & Sons, Inc., Alliance Chemical Inc.; Benjamin Moore & Co., Inc.; Revere Smelting & Refining Corp. of New Jersey; Revere Urban Renewal Corp.; Sun Chemical Co.; The Newark Redevelopment & Housing Authority; the Sherwin Williams Co., Inc.; Union Carbide Corp. have been identified as primary responsible parties who owned, operated or may have had their waste disposed at the site.

American Fat & Tallow Co.; D&J Trucking & Waste Co., Inc.; Forsun Urban Renewal Corp.; Reagent Smelting & Refining Corp. (a New Jersey Corp.); have also been identified as primary responsible parties but are determined to be insolvent.

Aerial photographs reveal that the landfill was operating to some capacity in 1940. The following companies: American Cyanamid Co.; Calco Chemical Co., Inc.; Martin Laboratories, Inc.; the Amalgamated Dyestuff & Chemical Works, Inc.; Security Paint & Varnish Corp.; and Tiffiany Chemical Corp. have been identified as potential responsible parties which operated the industrial facility immediately north of the site. It is probable that they dumped their waste at the former landfill due to the close proximity of the facility. All of these entities with the exception of American Cyanamid, have been determined to be insolvent through Certificates of Incorporation, Dun & Bradstreet Search and various industrial directories.
It is recommended that negotiation be initiated with the identified responsible parties for remediation of site contamination.

Run-off and leachate entering Plum Point Creek represent ongoing discharges. Enforcement actions should be taken against the Housing Authority since they have failed to remediate subsurface contamination outlined in the ACO. It is recommended that sampling be conducted for dioxin forming compounds specifically 2-chloro-1, 4-diethoxy-5-nitro benzene and 5-chloro-2,4-dimethoxyaniline. These products were manufactured by Alliance and may have been disposed at the Avenue P Landfill by D&J Trucking.

D&J Trucking also operated facilities at 310 Avenue P and Avenue A and Pioneer Street in Newark. Both of these sites are documented hazardous

waste sites with the DHWM, Bureau of Planning and Assessment. Generators identified in this investigation who utilized D&J Trucking to haul their waste should be held liable for contamination detected at the other two facilities.

Recovery of administrative costs charged to this case (Project Activity Code JAX) should be an objective of Department actions. Contact this bureau regarding information or questions on the subject case file.

INVESTIGATOR:

Paul Smith
Environmental Specialist
NJDEP-Division of Hazardous Waste Management
Bureau of Compliance & Technical Services
401 East State Street
Trenton, NJ 08625
(609) 633-0708

FILES UTILIZED:

Avenue "P" Landfill
NJDEP-DHWM, Bureau of Planning and Assessment
65 Prospect St.
Trenton, NJ 08625
(609) 292-3243
Contact: Claire Whittaker
Content: Preliminary assessment, sample data, inspection reports

Industrial Waste Survey
NJDEP-DHWM, Bureau of Compliance and Technical Services
401 E. State St.
5th Floor
Trenton, NJ 08625
(609) 633-0708
Contact: Doug Stuart
Content: Industrial waste surveys for Alliance Chemical Inc., Sherwin Williams, Sun Chemical

Avenue P Landfill
NJDEP-DHWM, Bureau of Metro Enforcement
2 Babcock Place
W. Orange, NJ 07052
(201) 669-3960
Contact: Dave Oster
Content: Sample data, inspections, correspondence, preliminary assessment

Title & Deed
Essex County Hall of Records
469 High St.
Newark, NJ 07102
(201) 961-7000
Contact: Nicholas Caputo
Content: Title and deed search, tax assessments for Lots 1, 3, 6, 8, 12, 14, 131, 136, 138; Block 5020

City of Newark, Tax Assessment Division
920 Broad St.
Newark, NJ 07102
(201) 733-3950
Contact: Joseph Frisina
Content: Block and Lot Information

Newark Department of Engineering, Environmental Section
920 Broad St.
Newark, NJ 07102
(201) 733-4300
Contact: Paul Butler
Content: Inspection reports for D&J Trucking

NJDEP-DSWM, Bureau of Inspections and Investigations
Twin Rivers Professional Bldg.
State Highway 33
Hightstown, NJ 08520
(609) 426-0791
Contact: Pat Ferraro
Content: No available information

Central Files
NJDEP-DSWM
401 East State St.
1st Floor
Trenton, NJ 08625
(609) 530-4004
Contact: Valerie Woods
Content: Inspection reports, enforcement documents, permits, correspondences for D&J Trucking

USEPA-Region II, Superfund Support Section
209 Woodbridge Ave.
Edison, NJ 08837
Contact: Darven Adams
Content: Limited file with inspection checklist

NJDEP-DWR, Bureau of Metro Enforcement
2 Babcock Place
W. Orange, NJ 07052
(201) 669-3900
Contact: Steve Cambuscioni
Content: No available information

Dun & Bradstreet
Information Resource Center
432 E. State St.
Trenton, NJ 08625
(609) 984-2249
Contact: Maria Barratta
Content: Dun & Bradstreet search for Sherwin Williams & Benjamin Moore

Corporate Records
NJ Dept. of State, Div. of Commercial Recording
Mountainview Office Complex
820 Bear Tavern Rd.
W. Trenton, NJ 08628
(609) 771-1297
Contact: Telfax
Content: Certificates of Incorporation for D&J Trucking and Waste Co., Tiffiany Chemical Corp., the Calco Chemical Co., Inc., Linden Air Products, Revere Holding Corp., Plum Point Realty Corp., Security Paint & Varnish Corp., A. Giordano & Sons, Inc., Amalgamated Dyestuff & Chemical Works, ACME Quality Paints, Inc., Martin Laboratories, Inc., American Fat & Tallow Co.

Sanborn Fire Insurance Maps
NJ Dept. of Education, Div. of State Library
185 W. State St.
Trenton, NJ 08625
(609) 292-6220
Contact: Janet Tuerff
Content: Sanborn Fire Insurance Maps, New Jersey Industrial Directories

Aerial Photographs
NJDEP-Div. of Coastal Resources, Planning Group
501 E. State St.
Trenton, NJ 08625
(609) 633-7369
Contact: Mike Ryan
Content: Aerial photographs for NJ State Plane Coordinates 2,148,200'E, 688,500'S.

City of Newark, Div. of Inspections
920 Broad St.
Newark, NJ 07102
(201) 733-3957
Contact: Lenny Iannio
Content: Building applications, electrical applications, certificates of occupancy, violations.

Assessment Search
Rahway City Tax Assessor's Office
1 City Hall Plaza
Rahway, NJ 07065
(201) 381-8000
Contact: William Marbach
Content: Assessment for 1035 Rt. No. 1 Lot 3 (Block 302)

NJDEP-DEQ, Metro Bureau of Enforcement
2 Babcock Place
W. Orange, NJ 07052
(201) 669-3935
Contact: Mike Klein
Content: Standby plans for Sherwin Williams and Alliance Color & Chemical Co.

Trenton Public Library
Academy St.
Trenton, NJ 08625
(609) 392-7188
Content: Directory of Obsolete Securities, Manual of Valuable and Worthless Securities, Standard and Poors Register of Corporation, Directors and Executives, Business Journals Directory of Business & Government, MacMillan Directory of Leading Private Companies, Dun Regional Business Directory.

NJDEP-DWR, General Files
Carroll Bldg.
432 E. State St.
Trenton, NJ 08625
(609) 633-2987
Contact: Larvern Jones
Content: Passaic Valley Sewage Commission inspections/incidents at Revere Smelting & Refining, 387 Ave. P.

Passaic Valley Sewage Commission
600 Wilson Ave.
Newark, NJ 07105
(201) 817-5718
Contact: Tom Mack
Content: No file available for Revere Smelting, Lacquer Specialties, Union Carbide, Linde Division

Assessment Search
Cranford Township Tax Assessors Office
8 Springfield Ave.
Cranford, NJ 07016
(201) 709-7211
Contact: John Durvee
Content: Assessment for 3 Hemlock Circle, Lot 1 (Block 256)

Assessment Search
Union Township Tax Assessors Office
1976 Morris Ave.
Union, NJ 07083
(201) 688-2800
Content: Assessment for 341 Forest Drive Lot 9 (Block 804)

PS: lmc
AVEP/LMCMDB

State of New Jersey
Department of Environmental Protection
Division of Water Resources

MEMO

TO Mr. Reed

FROM Mr. Martusevich DATE January 10, 1978

SUBJECT D&J Waste Disposal Service - 310 Avenue P - Newark, NJ

On December 27, 1977, the writer visited the Benjamin Moore Paint Company and the Sherwin Williams Paint Company to ascertain the type and quantity of waste being given to D&J. Mr. Janicek of the Newark Engineering Department had told the writer that these companies had been reported to use D&J to dispose of their wastes.

At Benjamin Moore, Lister Ave., Newark, Mr. Berg the Plant Manager stated that they had been doing business with D&J for approximately 10 years and D&J had been picking up 150 (55-gal.) drums of paint residues each month. After a batch of paint is made the mixing tanks are washed with solvents. The tank washings are then placed into a distillation column and the volitale solvents are recovered. The still "bottoms" are placed into drums and picked up by D&J. The still "bottoms" contain pigments and alkyd resins.

At Sherwin Williams, Lister Ave., Newark, Mr. W. Soltys, Plant Controller said that they dispose of approximately 250 drums of still "bottoms" each month. The material disposed is similar to that of Benjamin Moore. The material from Sherwin Williams also contains "bad" batches of paint or varnish. These "bad" batches vary from 500 to 1000 gallons. Both companies pay D&J $6/drum for the disposal services. Both companies had been contacted by D&J and told that "they were having problems now but will be back in business within a week."

Both companies stated that they would cooperate with the NJDEP in every way possible.

E106:G25

cc: Mr. B. Schwartz - Office of Regulatory Affairs

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